

LEGEND

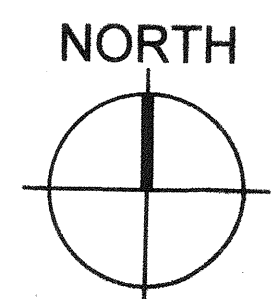
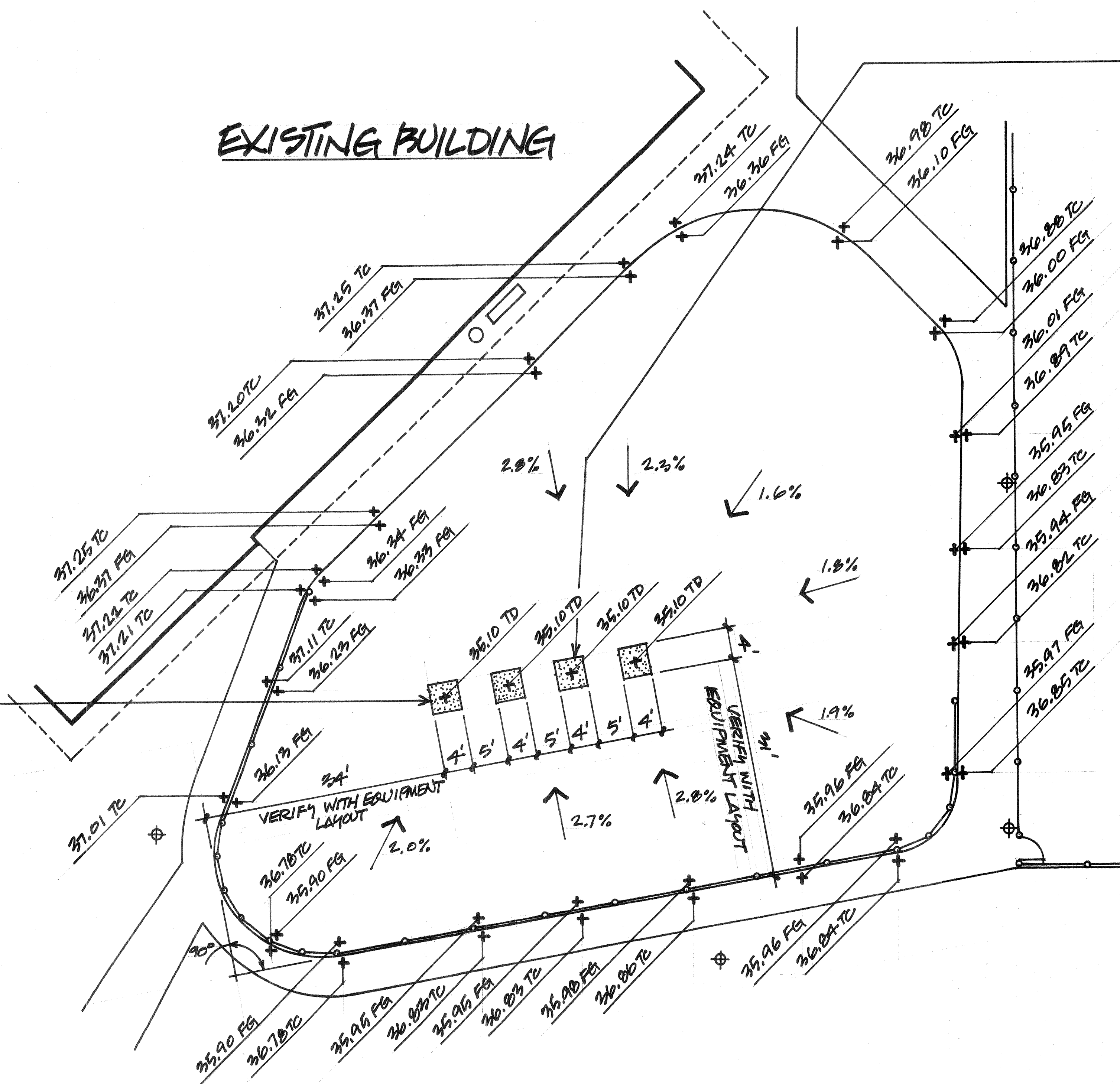
FG FINISHED GRADE AT SUBGRADE
 TAB TOP OF AGGREGATE BASE
 TC TOP OF CURB
 TD TOP OF DRAIN
 TR TOP OF RUBBER SURFACE
 → DIRECTION OF SURFACE SLOPE

REMAINDER
 OF NOTES PER
 SE-1.05

EXISTING BUILDING

GRAVEL DRAIN
 BELOW AGGREGATE
 BASE AT SUBGRADE.
 TYPICAL 4 PLACES.
 SE-1.14

FIELD VERIFY LOCATION OF
 GRAVEL DRAINS WITH THE
 FINAL LAYOUT OF EQUIPMENT
 FOUNDATIONS TO AVOID
 INTERFERENCE. SEE
 SE-1.09



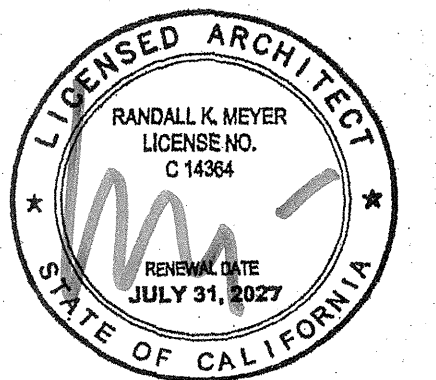
PLAY AREA SUBGRADE SPOT ELEVATION PLAN

1"=10'

1

PUBLIC WORKS PROJECT NO. PW 24-04

No	Date	Revision



Project:

PLAY AREA

IMPROVEMENTS
 TO THE EXISTING

BLOOMFIELD PARK

21420 PIONEER BLVD.
 LAKEWOOD, CA

CONTACT PERSON:
 SAMANTHA CHAMBERS
 DEPT. OF PUBLIC WORKS
 CITY HALL
 5050 N. CLARK AVE.
 LAKEWOOD, CA 90712
 562-866-9771 (EXT. 2505)
 SCHAMBERS@LAKEWOODCITY.ORG



JULY 23, 2025

Sheet Title
 PLAY AREA SUBGRADE SPOT
 ELEVATION PLAN

Sheet

SE - 1.06

FG	FINISHED GRADE AT SUBGRADE
TAB	TOP OF AGGREGATE BASE
TC	TOP OF CURB
TD	TOP OF DRAIN
TR	TOP OF RUBBER SURFACE
→	DIRECTION OF SURFACE SLOPE

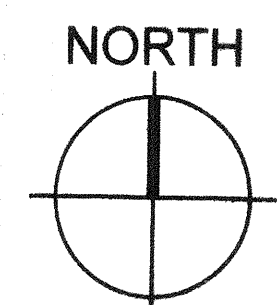
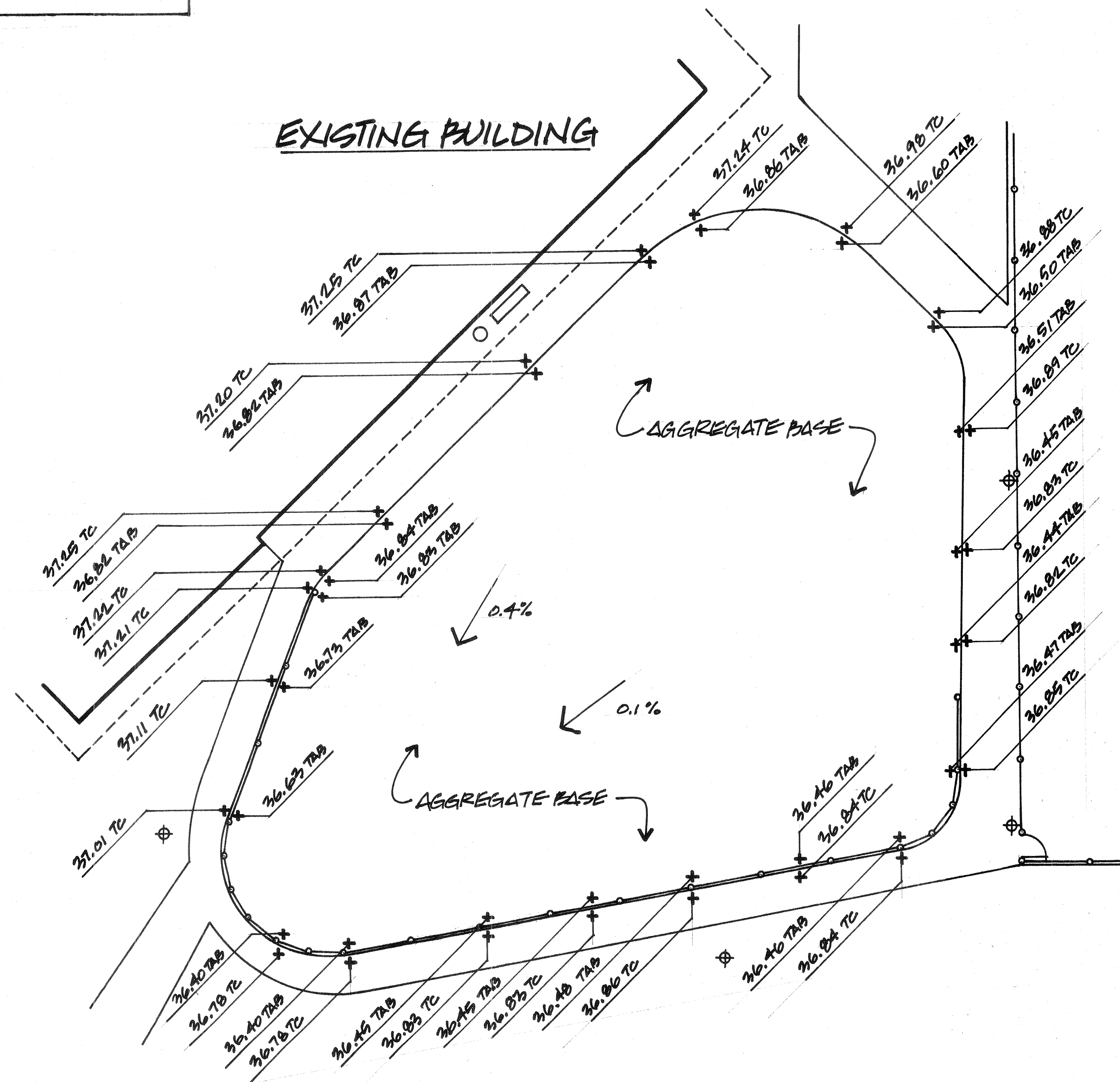
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SE-1.05

(OVER 6" MINIMUM AGGREGATE BASE)

1/2" WEARING LAYER
4" CUSHION LAYER
4 1/2" TOTAL THICKNESS

VERIFY RUBBER THICKNESS WITH
PLAY EQUIPMENT MANUFACTURER
PRIOR TO PLACING AGGREGATE BASE.

EXISTING BUILDING



1

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JULY 23, 2025

Sheet Title
PLAY AREA AGGREGATE BASE
SPOT ELEVATION PLAN

Sheet

SE - 1.07

Playground Layout Compliance:

☒ ASTM F1487 - Playground Equipment for Public Use.
☒ CPSC Handbook for Public Playground Safety

☒ This playground design meets the final Access Board Regulations.



The play components identified in this plan are CPSC certified. The use and layout of these components conform to the requirements of ASTM F1487.

LEED points for this structure
0

RUBBER SURFACING AREA. TYPICAL THROUGHOUT. (4" THICK CUSHION LAYER)

45558513352 Lakewood Bloomfield Park 5-12
Lakewood, CA

OUTLINE OF PLAY EQUIPMENT SAFETY AREA. TYPICAL.

OUTLINE OF PLAY EQUIPMENT SAFETY AREA. TYPICAL.

OUTLINE OF PLAY EQUIPMENT SAFETY AREA. TYPICAL.

General Notes:

Age Group
☐ 2-5yrs ☒ 5-12 yrs ☐ 12-17yrs ☐ 18+ yrs

1. The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.

2. For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.

3. Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.

4. All deck heights are measured from top of ground cover.

5. Fall absorbing ground cover is required under and around all play equipment.

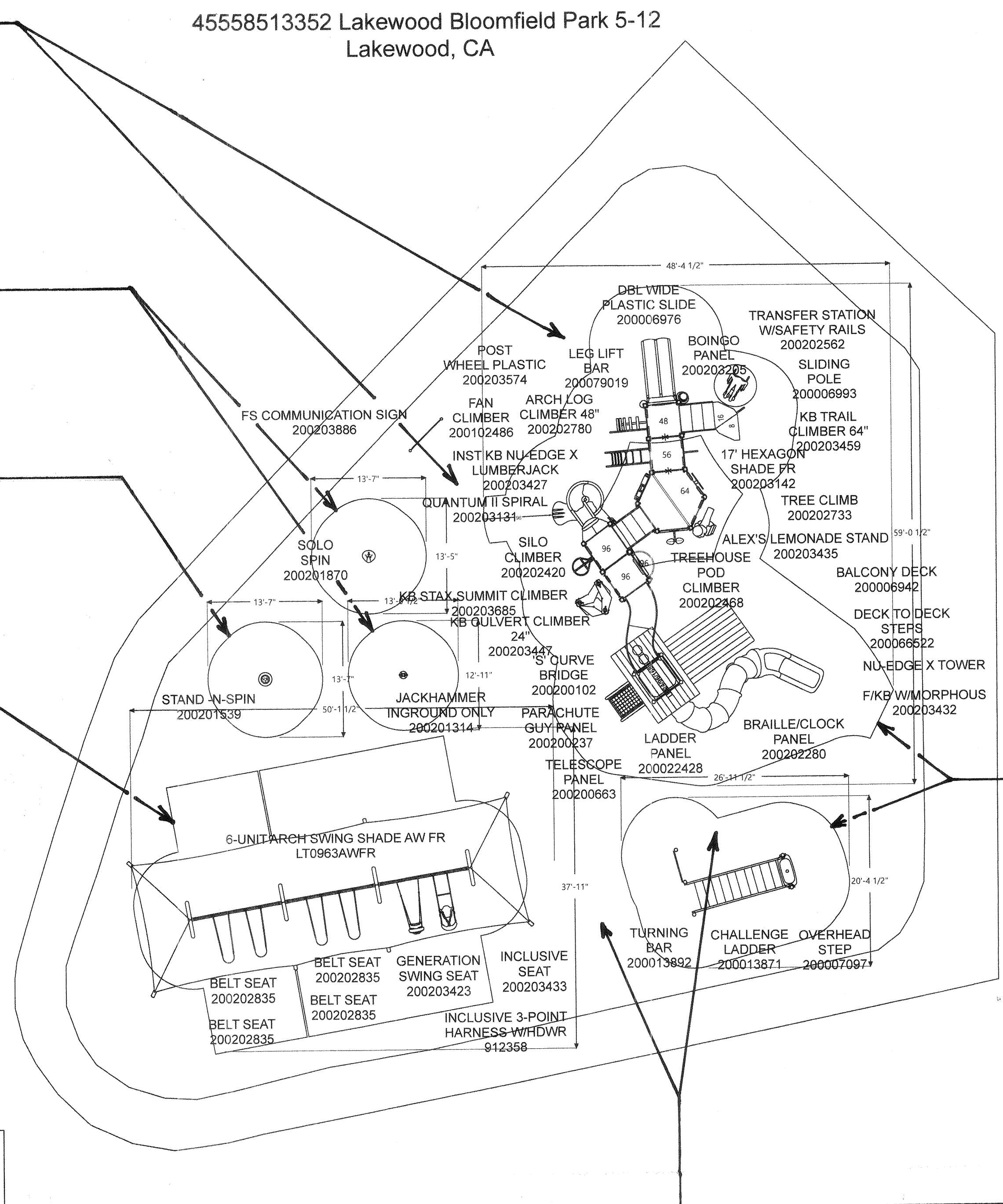
6. The minimum recommended fall zone around the entire play structure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border material, etc.).

7. All post lengths are identified by text showing the post heights. 16' 90" represents a 90" high post.

8. Not all equipment may be appropriate for all children. Supervision is required.

AGE GROUP: 5-12	
ELEVATED PLAY ACTIVITIES - TOTAL:	18
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	13 REQ'D 9
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE:	8 REQ'D 3
GROUND LEVEL QUANTITY:	10 REQ'D 6

AGE GROUP: 2-12	
ELEVATED PLAY ACTIVITIES - TOTAL:	0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	0 REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE:	1 REQ'D 0
GROUND LEVEL QUANTITY:	8 REQ'D 0



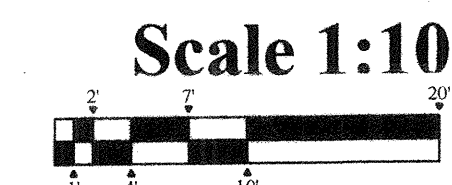
EQUIPMENT PLAN NOTES

1. PLAY EQUIPMENT DESIGN AND LAYOUT PER "LITTLE TIKES" SALES REPRESENTATIVE CINDY GRABOW (714-846-4885).
2. THIS LAYOUT CANNOT BE ALTERED IN ANY WAY. IF CHANGES ARE REQUIRED CONTACT THE CITY OF LAKEWOOD (SAMANTHA CHAMBERS, 562-866-9771).
3. EQUIPMENT IS SHOWN SCHEMATIC ON THE PLANS. ALL INSTALLATION SHALL BE PER MANUFACTURER'S INSTALLATION DRAWINGS AND WRITTEN INSTRUCTIONS.

OUTLINE OF PLAY EQUIPMENT SAFETY AREA. TYPICAL.

RUBBER SURFACING 1" COLOR LAYOUT LINE. TYPICAL. SEE

PLAY EQUIPMENT PLAN



Project: 45558513352 Lakewood Bloomfield Park, CA

LTCPS rep: Cindy Grabow
PACIFIC PARK & PLAYGROUND, INC.
(714) 846-4885

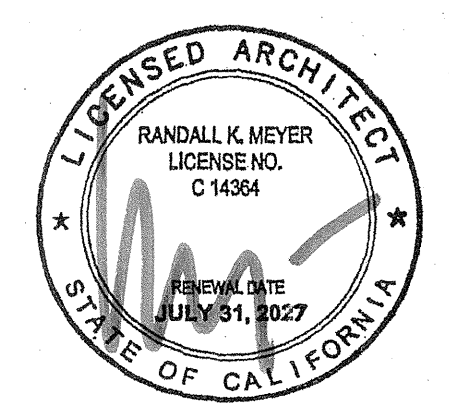
Ground Space: 84'-0" x 77'-6"
Protective Area: 90'-6" x 90'-6"

Drawn by: Cindy Grabow
Date: 9/20/2024
DWG Name: R0341_45558513352

LTCPS - Farmington
878 East Highway 60
Monett, Missouri 65708
Voice: 1-800-325-8828
Fax: 417-354-2273

REMAINDER OF NOTES PER SE-1.05

No	Date	Revision

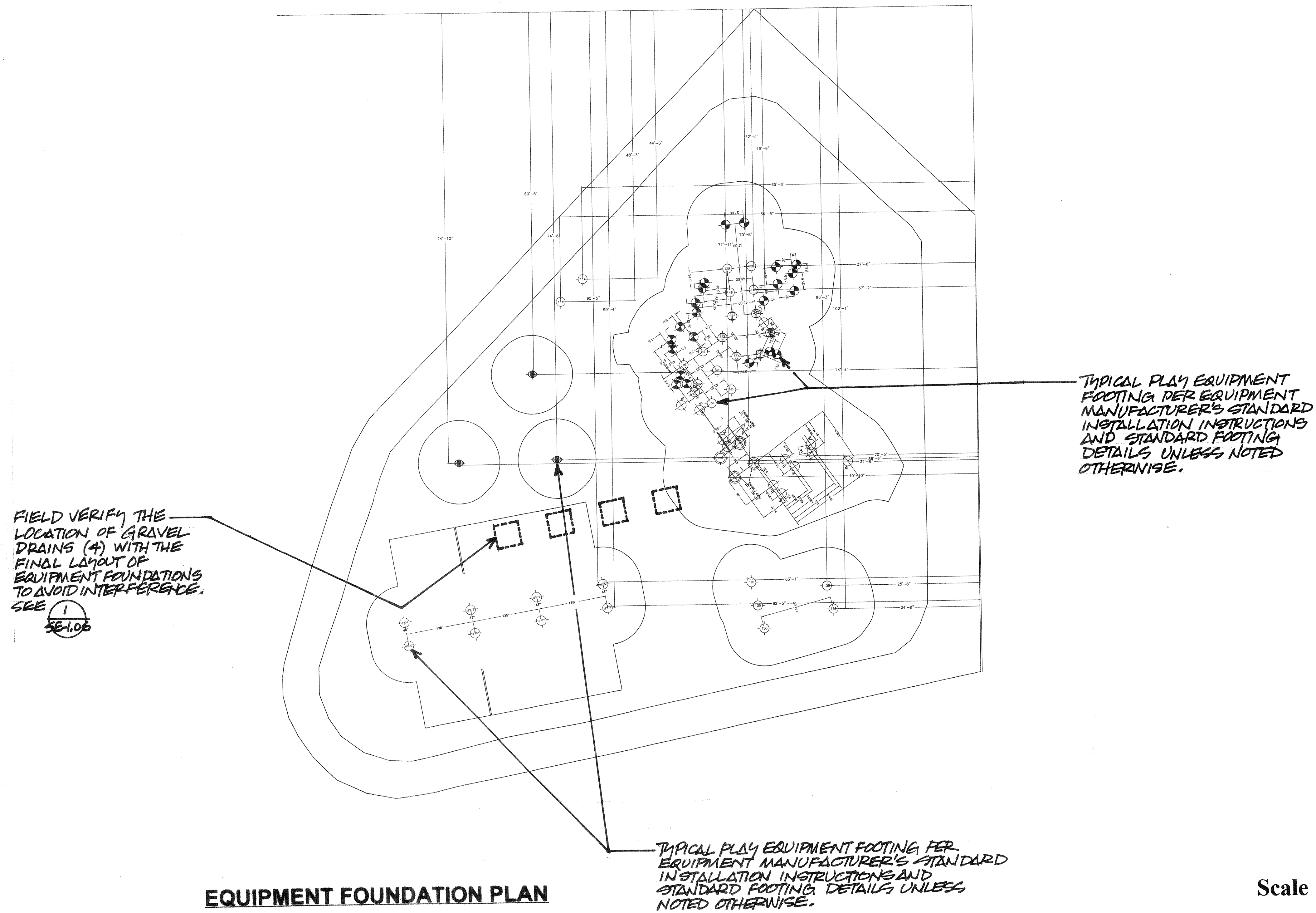


Project: **PLAY AREA**
IMPROVEMENTS TO THE EXISTING
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21420 PIONEER BLVD.
LAKEWOOD, CA
CONTACT PERSON:
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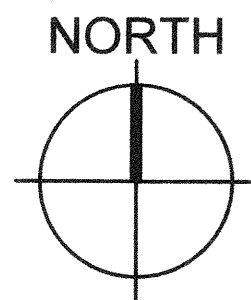
JULY 23, 2025
Sheet Title
PLAY EQUIPMENT PLAN
Sheet

Lakewood - Bloomfield Park



EQUIPMENT FOUNDATION PLAN

Scale 1:10



No	Date	Revision



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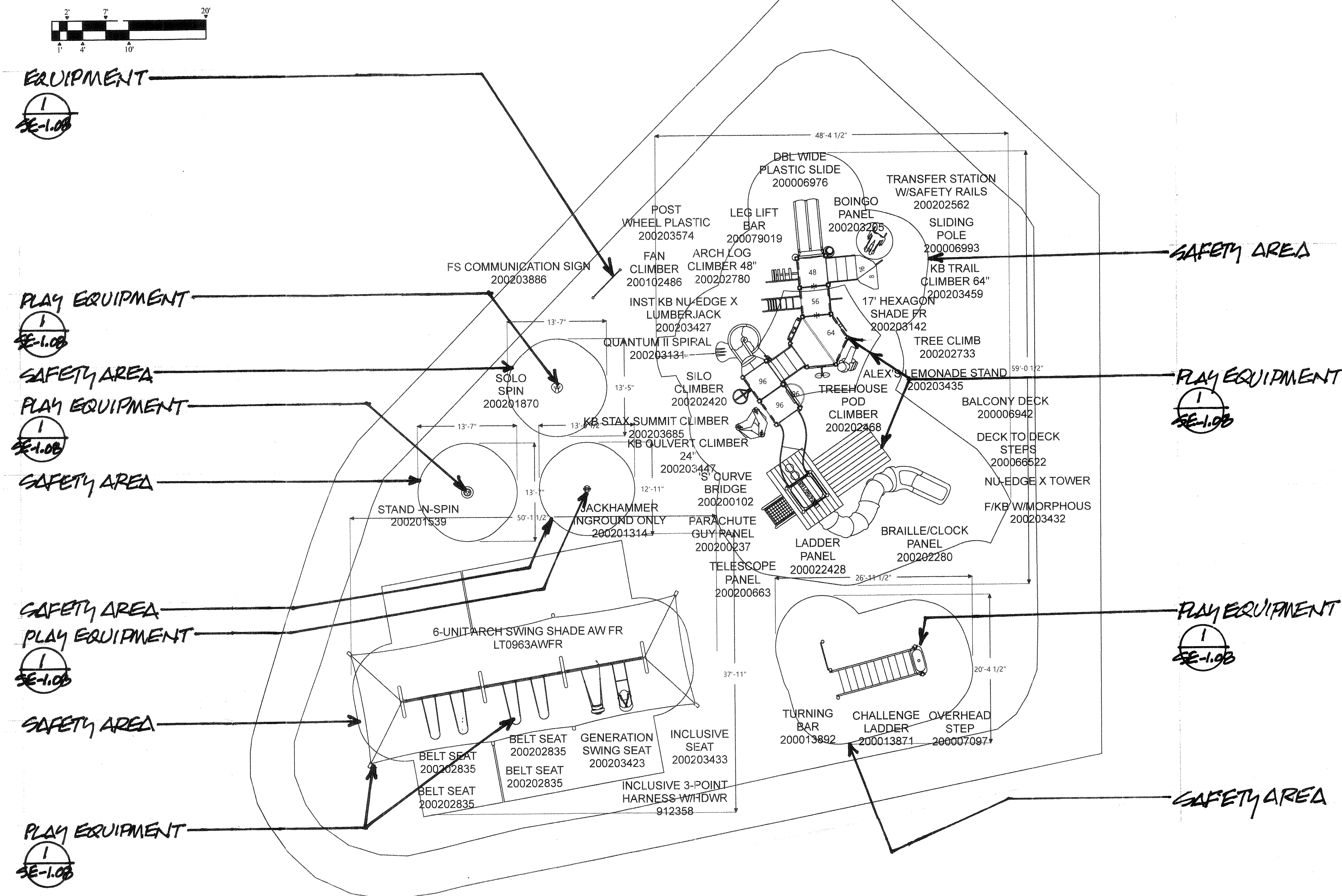


JULY 23, 2025
Sheet Title
PLAY EQUIPMENT PLAN
Sheet

SE - 1.09

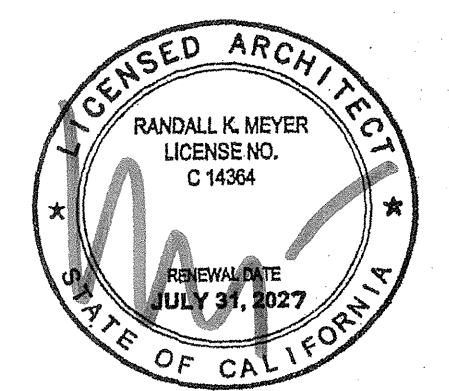


45558513352 Lakewood Bloomfield Park 5-12
Lakewood, CA



PLAY EQUIPMENT SAFETY AREA LAYOUT PLAN

No	Date	Revision

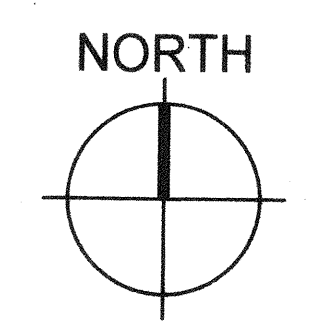


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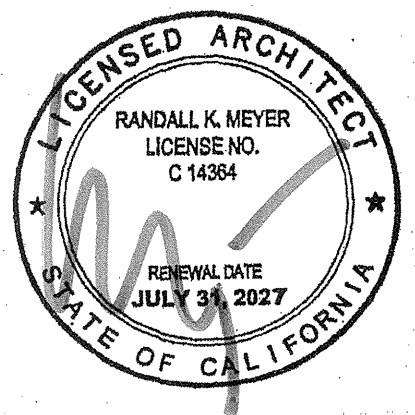


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Sheet Title
PLAY EQUIPMENT PLAN
Sheet



1"=10' 1

No.	Date	Revision



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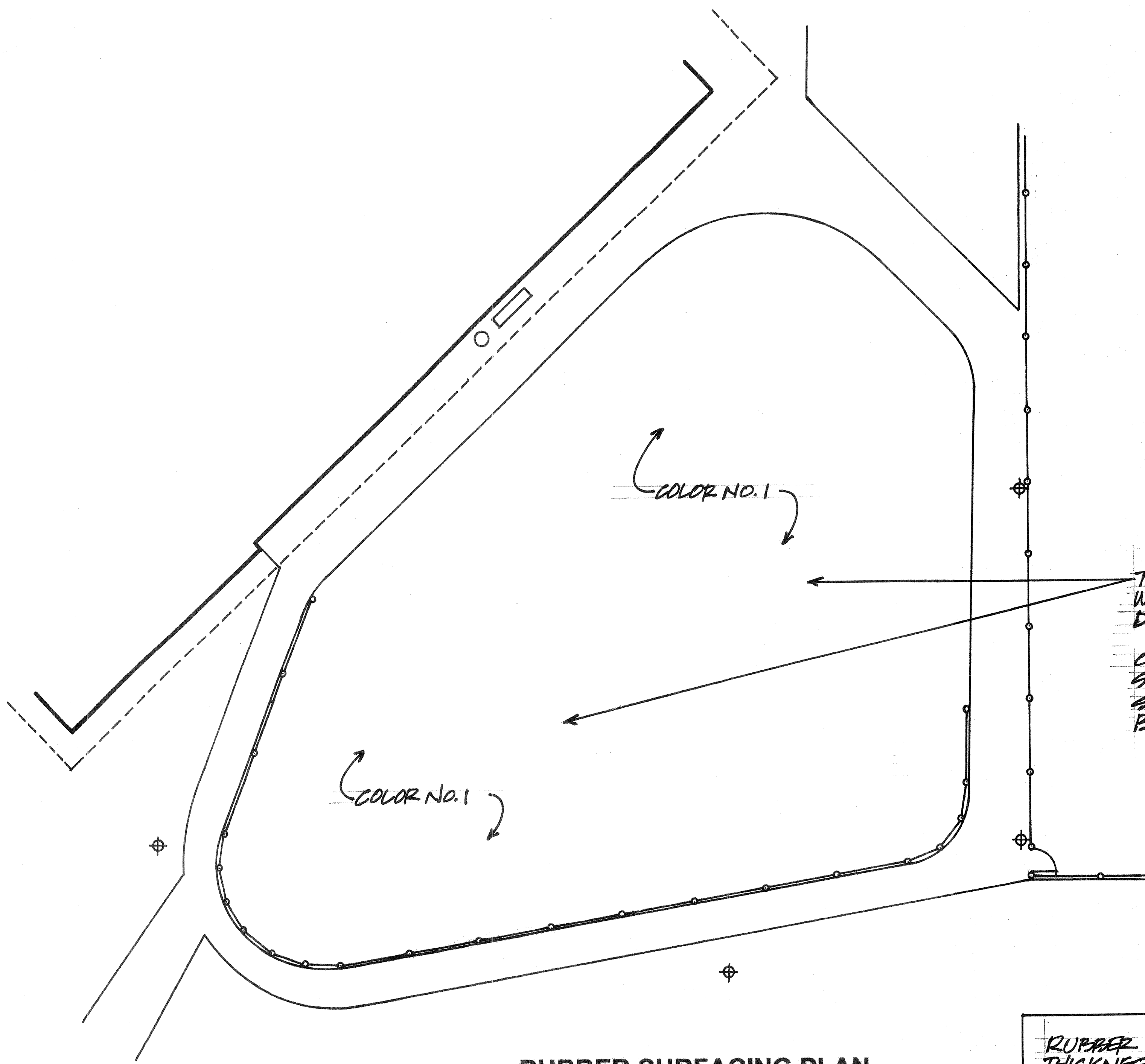


JULY 12, 2025
Sheet Title

PLAY EQUIPMENT PLAN

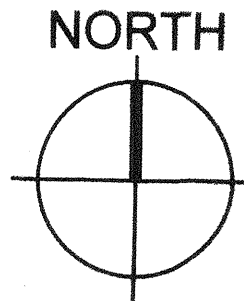
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RUBBER SURFACING PLAN

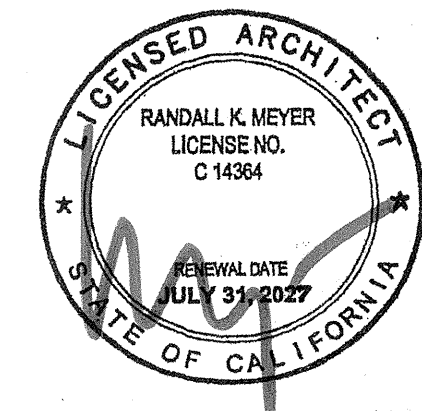
RUBBER THICKNESS PER	
1	2
5/8-1 1/2"	5/8-1 1/4"



1"=10'

1

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JULY 29, 2025
Sheet Title

MISCELLANEOUS DETAILS

Sheet

SE - 1.12

GENERAL NOTES

DESIGN LOADS

BUILDING CODE: California Building Code 2019 (Based on IRC 2019)

LIVE LOADS: 5 PSF

SNOW LOAD: 5 PSF

WIND LOADS: 115 MPH Fabric On and 180 MPH with Fabric Removed

3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

STRUCTURAL STEEL

1. ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:

SQUARE AND RECTANGULAR: 50,000 PSI YIELD / 62,000 PSI TENSILE

ROUND PIPE: 46,000 PSI YIELD / 62,000 PSI TENSILE

2. ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:

ROUND TUBE: 45,000 PSI YIELD / 48,000 PSI TENSILE

3. ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.

4. ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

5. STRUCTURAL STEEL SHALL BE DETAILLED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS.

6. ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN. UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS, ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX OR WIRE.

7. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.

8. ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM A325 TYPE 1 OR A490 TYPE 1. ALL NUTS SHALL COMPLY WITH ASTM A563H, AND WASHERS SHALL COMPLY WITH ASTM F436.

9. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

10. ALL STAINLESS STEEL BOLTS / STUDS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2. ALL NUTS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2.

11. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TBC MANUFACTURED BY (SHERMAN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER COAT SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2297)
- SOLVENT RESISTANCE (POT METHOD) - 50 DBL RUBS SL SOFTNESS

LIST OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL/WTG	SMI PART NO.
1	6	RAIL	3.5 GA 8 RD TUBING	PP-PYR-RAIL-12
2	1	CROSS	3.5 GA 8 RD TUBING	PP-PYR-CR
3	1	RAIL	HEAT MESH	997485997487
4	1	65 FT OF 8/16"	STEEL CABLE	307064
5	6	5'-3" CLIP	P BRACKET	N/A
6	12	1/2"x1/2"	ST U BOLT	324 SS
7	24	1/2"x1/2"	PREL NUT	SS
7A	1	TAMPER PROOF	SHORT ARM KEY	SS
7B	1	TAMPER PROOF	DRIVER BIT (T45)	N/A
8	6	1/2" x 4" CUST. 2	FITTING (RHT)	316 SS
8A	6	BOLT M8 X 1.25 FT	MALE 10.3 X 30MM	N/A
8B	6	BOLT M8 X 1.2	MALE 27.5MM	N/A
9	6	1/4" DIA	X LINK	316 SS
10	6	2-3/8" X 1/2" DIA	IC BARREL NUT	316 SS
10A	6	3/4" DIA	WASHER	18-8 SS
10B	6	1/2"-13N	JAM NUT	18-8 SS
11	12	ROD THREAD	3/8" X 100MM	N/A
12	24	BOLT M8 X 1.25 FT	MALE 10.3 X 30MM	N/A
13	24	WASHER FLAT M	1/2 X 12 X 1.6MM	N/A
14	1	3/8" ALLE	WRENCH	N/A

NOTICE

FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF IS ANTICIPATED.

FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED. SEE NOTE 1 OF DESIGN LOADS.

Digitally signed by William N Bowen II, P.E.
DN: cn=William N Bowen II, P.E., o.ou, email=bbs_consultants@msn.com, c=US
Date: 2022.08.31 16:20:20 -05'00'

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQ)	OCCUPANT LOAD
SHADE STRUCTURE	U	V-B	227	N/A

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF LITTLE TIKES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

little tikes COMMERCIAL

TIKES CORPORATION HEADQUARTERS
178 E HIGHWAY 40
LA CNETT, MO 65708
PI ONE: 888-458-2752

CERTIFICATION:
IAS CERTIFICATED ION No: FA-428
CLARK COUNTY / MANUFACTURER
CERTIFICATION NUMBER (NEWADA): 355

CUSTOMER:
Pacific Park an Playground Inc
PROJECT NAME:
City of Lakewood
LOCATION:
Lakewood CA
PROJECT NUMBER:
Q-039716

STRUCTURE TYPE:
Integrated Shade

SIZE:
Integrated Hex - 17'

SCALE: AS NOTED
DRAWING SIZE:

B

REV	DESCRIPTION	DATE	CHK	ENG

Eng. By: MP
Design By: MP
Approved By: MP
Drawing Description: VOTES / LOM

DWG. PAGE: 1000

REV: NC

No	Date	Revision



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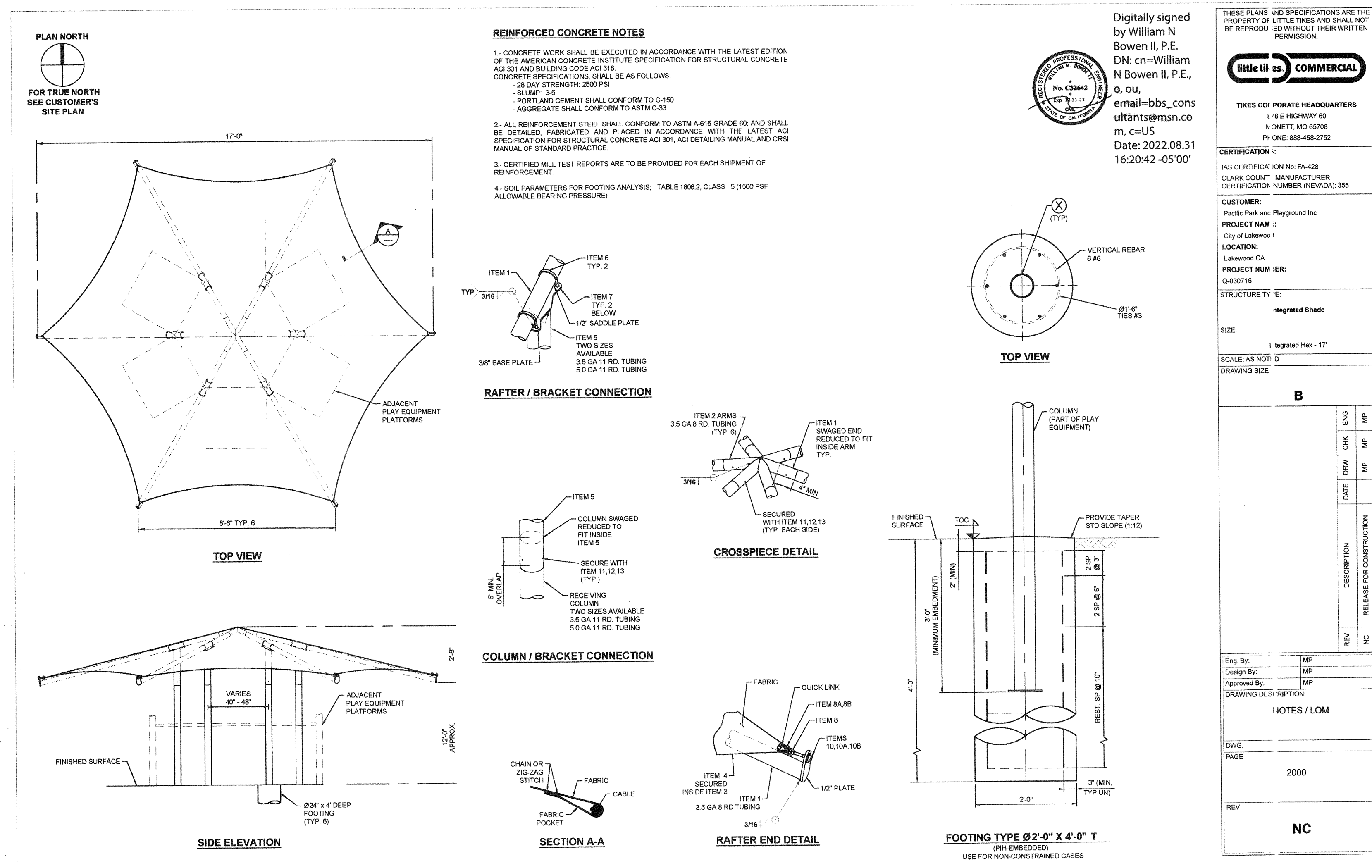


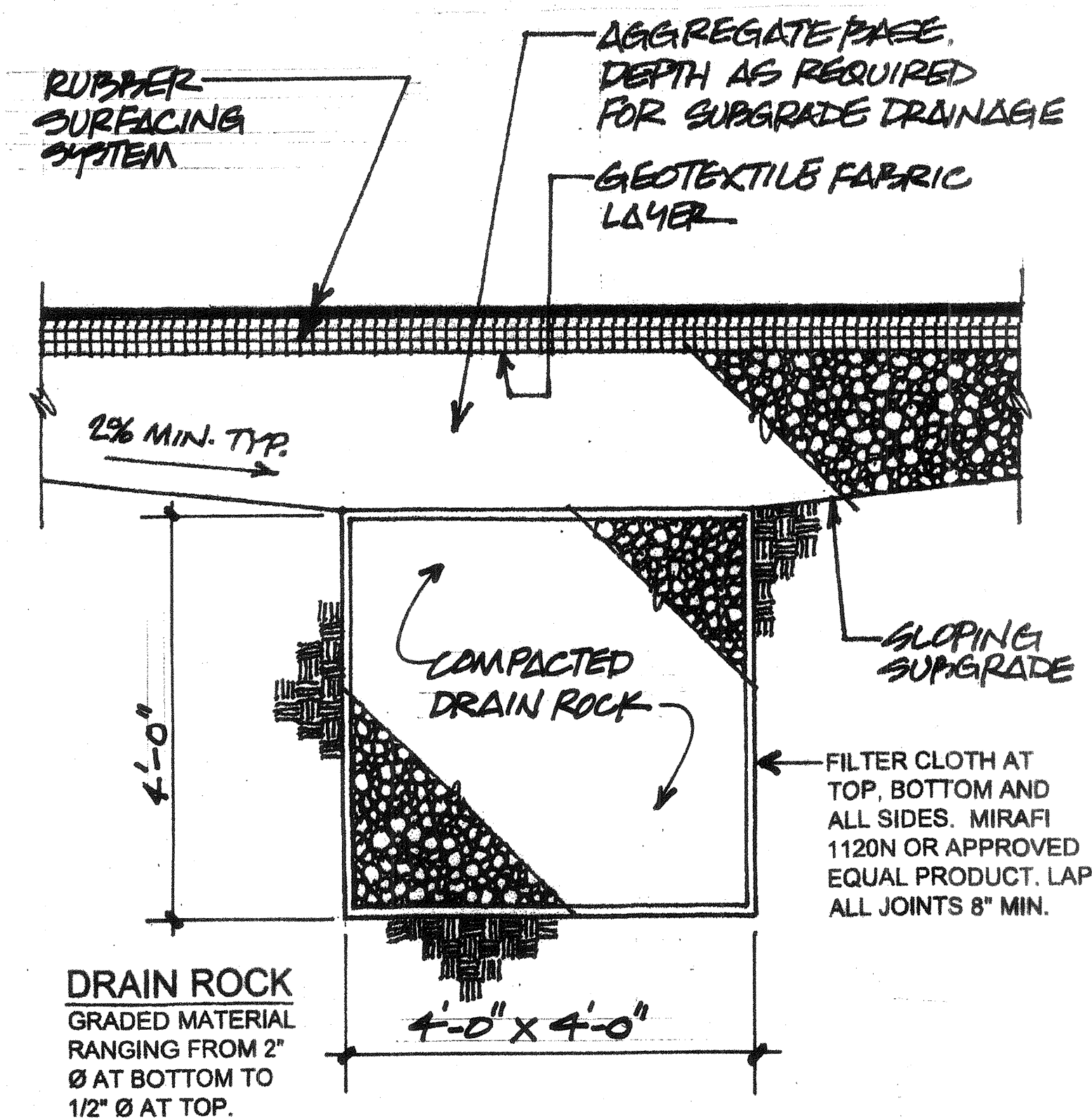
JULY 23, 2025
Sheet Title

MISCELLANEOUS DETAILS

Sheet

SE - 1.13



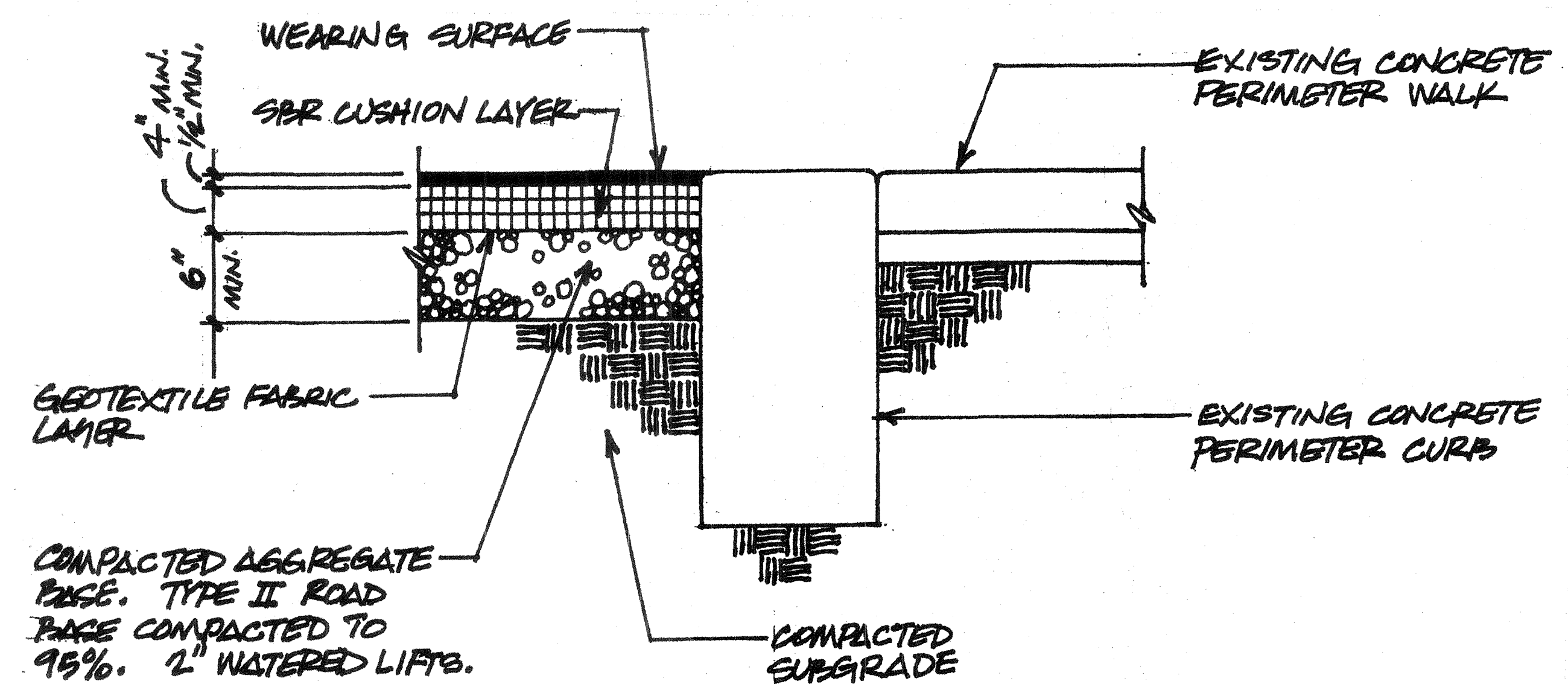


GRAVEL DRAIN AT AGG. BASE

3/4" = 1'-0"

3

1

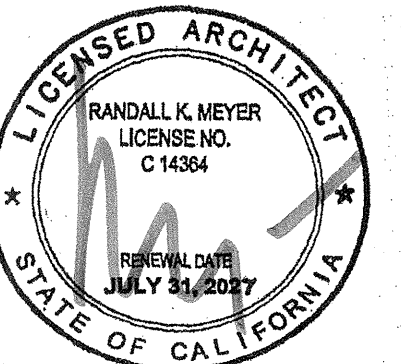


PERIMETER CURB AT RUBBER (4" CUSHION LAYER)

1 1/2" = 1'-0"

2

No.	Date	Revision



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SE - 1.14