EL PASO COUNTY SKATE PARKS RENOVATION

BID SET - MARCH 2023

SHEET LIST

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SPE3.01	ESTRELLA SKATE PARK GRADING & DRAINAGE PLAN
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SPE4.02	ESTRELLA SKATE PARK SECTIONS / PROFILES
SPE4.03	ESTRELLA SKATE PARK SECTIONS / PROFILES
SPG0.00	GALLEGOS SKATE PARK OVERALL SITE PLAN
	TOPOGRAPHIC SURVEY PLAN
SPG1.00	GALLEGOS SKATE PARK EX. CONDITIONS / DEMO PLAN
SPG1.01	GALLEGOS SKATE PARK FEATURE PLAN
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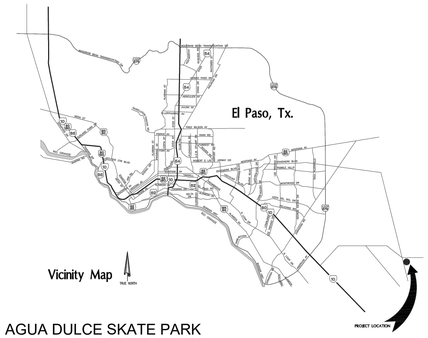
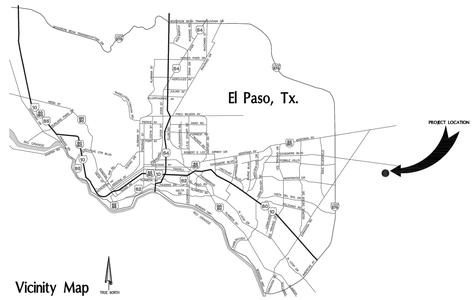
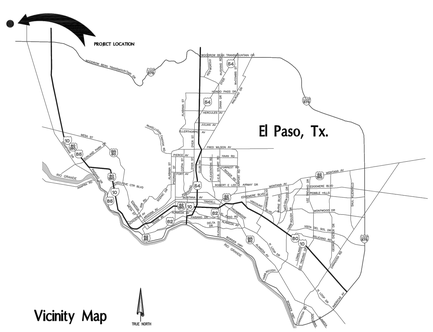
SP5.03	SKATE PARK CONSTRUCTION DETAILS
SP5.04	SKATE PARK CONSTRUCTION DETAILS
SP5.05	SKATE PARK CONSTRUCTION DETAILS
SP5.06	SKATE PARK CONSTRUCTION DETAILS



AGUA DULCE SKATE PARK
15371 Kentwood Ave. #9028 El Paso, Texas 79928



ESTRELLA SKATE PARK
14590 Greg Dr. El Paso, Texas 79938



GALLEGOS SKATE PARK
6209, 7361 Bosque Rd. Canutillo, Texas 79835

PERSPECTIVE VIEWS

Note: Perspective drawing not for construction reference. Alterations have been made to model during detailed design phase. Image shown to display broader design concept only.

AGUA DULCE SKATE PARK

ESTRELLA SKATE PARK

GALLEGOS SKATE PARK

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EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
SKATE PARK COVER SHEET

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SP0.00

SKATE PARK - DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE:
COMPLY WITH CURRENT LOCAL BUILDING CODE .

SEISMIC:
SEISMIC USE GROUP
SPECTRAL RESPONSES: Sds = 0.304
Sd1 = 0.154
SITE CLASS "D"

WIND:
BASIC WIND SPEED (V) = 105 MPH
IMPORTANCE FACTOR I = 1.0
WIND EXPOSURE "C"

SKATE PARK - STRUCTURAL NOTES

1. SPECIAL STRUCTURAL INSPECTION

1.1 THE CLIENT WILL PROVIDE SPECIAL STRUCTURAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

1.1.1 CONCRETE: DURING THE TAKING OF TEST SPECIMENS & PLACING OF REINFORCED CONCRETE WHERE F'C > 2,500 PSI, EXCEPT SLABS ON GRADE. PROVIDE STATEMENT OF SPECIAL INSPECTIONS PER 1704.3 AND SCHEDULE OF INSPECTIONS (CONTINUOUS / PERIODIC) PER 1705 FOR ALL REQUIRED SPECIAL INSPECTION ELEMENTS. SCHEDULE OF SPECIAL INSPECTIONS WILL BE PROVIDED DURING CONSTRUCTION.

1.1.2 BOLTS INSTALLED IN CONCRETE: DURING INSTALLATION OF EMBEDDED BOLTS IN CONCRETE AND DURING INSTALLATION OF EXPANSION BOLTS & EPOXY BOLTS / REBAR INTO EXISTING CONCRETE.

1.1.3 REINFORCING STEEL: DURING PLACING OF REINFORCING STEEL, FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION BY THE CONCRETE SECTION ABOVE AND PLACING REINFORCING STEEL IN EPOXIED HOLES PER ABOVE.

1.1.4 SHOTCRETE: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.

1.2 SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS:

1.2.1 THE CONTRACTOR SHALL ALLOW A MINIMUM OF 48 HOURS NOTIFICATION FOR THE SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS.

2. FOUNDATIONS

2.1 REFER TO THE GEO-TECHNICAL REPORT FOR CONCLUSIONS / RECOMMENDATIONS ON FOUNDATIONS, EXCAVATION, ETC. GEO-TECHNICAL REPORT IS INCLUDED IN THE APPENDIX OF THE PROJECT'S TECHNICAL SPECIFICATIONS.

2.2 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEO-TECHNICAL ASPECTS OF THIS PROJECT. CLIENT SHALL EMPLOY A REGISTERED GEO-TECHNICAL ENGINEER TO PERFORM NECESSARY TESTING AND QUALITY CONTROL INSPECTIONS TO ENSURE THAT THE REQUIREMENTS OF THE SOILS REPORT ARE COMPLIED WITH.

3. REINFORCING

3.1 SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.

3.2 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, USE LENTON FORM SAVERS DOWEL BAR DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR APPROVED EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

3.3 DEVELOP AT LEAST 125 PERCENT OF THE TENSION OR COMPRESSION BAR YIELD STRENGTH PER ICC-ES RESEARCH REPORT.

4. STRUCTURAL STEEL

4.1 ASTM A-36 FOR C, MC, ANGLES, AND PLATES.

4.2 ASTM A-53 GRADE B OR A-501 FOR STEEL PIPES

4.3 ASTM A-500 GRADE B, FY=46 KSI FOR TS/HSS TUBE STEEL FOR SIZES UP TO 5/8" THICK.

4.4 ASTM A-307 OR A-36 PLAIN ANCHOR BOLTS.

5. STRUCTURAL STEEL & REINFORCEMENT WELDING

5.1 ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT CERTIFICATES VALIDATED BY AN INDEPENDENT LAB & HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. THE CONTRACTOR SHALL SUBMIT WELDING CERTIFICATES FOR EACH WELDER PRIOR TO COMMENCING THE WORK.

5.2 WELDING RODS TO BE LOW HYDROGEN TYPE, E70 SERIES, PER AWS D1.1 TYPICALLY EXCEPT E-6010 SERIES FOR STEEL SHEET METAL PER AWS D1.3 AND REINFORCING WELDMENTS PER AWS D1.4. USE E80 SERIES WELDING RODS FOR A706 REBAR. MIG WELDERS MAY ALSO BE USED IF APPROPRIATE FOR FILLING OF SEAMS AND HOLES.

5.3 FIELD INDICATED WELDS MAY BE DONE IN SHOP & SHOP INDICATED WELDS MAY BE DONE IN FIELD ONLY IF SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.

6. SUPPLEMENTARY NOTES

6.1 THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

6.2 REINFORCING OR THREADED RODS DRILLED AND EPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT:

6.2.1 HILTI RE-500 SD - ICC ESR-2322

6.2.2 SIMPSON SET-XP - ICC ESR-2508

6.2.3 POWERS PE1000+ - ICC ESR-258

6.3 INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT AND HAVE A MINIMUM 9 DIAMETERS EMBEDMENT.

6.4 INSTALLATION SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT. CONTRACTOR SHALL HAVE APPROPRIATE ICC-ES REPORT ON-SITE DURING ALL INSTALLATIONS.

6.5 ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS AND SUBMITTED FOR REVIEW SHALL BE BY AN INSURED LICENSED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED. A COPY OF THE LICENSE AND PROOF OF INSURANCE SHALL BE PROVIDED BEFORE STARTING ANY WORK.

SKATE PARK - GENERAL CONSTRUCTION NOTES

1. GENERAL

1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS.

1.2 NOTIFY CLIENT REPRESENTATIVE OF ANY DISCREPANCIES TO THESE PLANS IMMEDIATELY.

1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.

1.4 THE CLIENT SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT.

1.5 THE CLIENT WILL PROVIDE SPECIAL INSPECTIONS AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

1.5.1 PLACEMENT OF REINFORCING STEEL.

1.5.2 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.

1.5.3 BOLTS IN CONCRETE.

1.5.4 TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.

1.6 THE CONTRACTOR SHALL WARRANTY ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

2. CONCRETE WORK

2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND SUBMITTED TO THE CLIENT REPRESENTATIVE FOR APPROVAL. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.

2.2 CEMENT: ASTM C150. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT.

2.3 AGGREGATES SHALL CONFORM TO ASTM C33.

2.4 NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.

2.5 CONCRETE MIX DESIGN - CAST-IN-PLACE

2.5.1 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MIN. CEMENT CONTENT (POUNDS)	MAX. SLUMP (INCHES)	MAX. AGGREGATE SIZE (INCHES)	MAX. AIR ENTRAINING AT END OF HOSE (PERCENT)
4000	480	4" MAX.	1"	3% - 5%

2.6 CONCRETE MIX DESIGN - SHOTCRETE

2.6.1 ACI STANDARD 506, LATEST EDITION, "SPECIFICATION FOR MATERIALS, PROPORTIONING AND APPLICATION OF SHOTCRETE" AND ACI 506.2, LATEST EDITION, "RECOMMENDED PRACTICES FOR SHOTCRETE" SHALL BE FOLLOWED.

2.6.2 MIX DESIGNS FOR SHOTCRETE CONTAINING FLY ASH SHALL BE BY AN INDEPENDENT TESTING LABORATORY. ONLY ASTM C618 CLASS F FLY ASH SHALL BE USED. THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20 PERCENT BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.

2.6.3 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MIN. CEMENT CONTENT (POUNDS)	MAX. SLUMP (INCHES)	MAX. AGGREGATE SIZE (INCHES)	MAX. AIR ENTRAINING AT END OF HOSE (PERCENT)
4000	600	3" MAX.	3/8"	3% - 5%

2.6.4 SURFACE PREPARATION: EXPOSED EXISTING CONCRETE SHALL BE SANDBLASTED CLEAN. SURFACES SHALL BE FOLLOWED BY WETTING AND DAMP DRYING JUST PRIOR TO SHOTCRETE APPLICATION.

2.6.5 ANY REBOUND OR ACCUMULATED LOOSE AGGREGATE SHALL BE REMOVED FROM THE SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND SHALL NOT BE REUSED AS AGGREGATE.

2.6.6 JOINTS IN WALL POURS ARE PERMISSIBLE. AT JOINTS, SHOTCRETE SHALL BE SLOPED TO A THIN EDGE. BEFORE PLACING ADDITIONAL MATERIAL, ALL SURFACES SHALL BE THOROUGHLY CLEANED AND WETTED AND ALL REINFORCING STEEL SHALL BE BRUSHED FREE OF LATENT SHOTCRETE MATERIAL.

2.6.7 ANY IN-PLACE SHOTCRETE MATERIAL WHICH EXHIBITS SAGS OR SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS OR OTHER OBVIOUS DEFECTS SHALL BE REMOVED AND REPLACED.

2.6.8 TESTING AND INSPECTION OF IN-PLACE SHOTCRETE SHALL BE IN ACCORDANCE WITH CURRENT LOCAL BUILDING CODE.

2.7 CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90°F UNLESS PRE-APPROVED BY CLIENT REPRESENTATIVE.

2.8 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER CODE BY A CLIENT-PROVIDED TESTING LABORATORY FOR STRUCTURAL POURS, ONE (1) FOR EVERY FIFTY (50) YARDS OF CONCRETE. HISTORICAL DATA SHALL BE SUBMITTED AND APPROVED PRIOR TO THE POUR , IF NO TEST SAMPLES ARE TAKEN FOR POURS LESS THAN 50 CUBIC YARDS.

2.9 DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT AND SHALL CONSIST OF APPLICATION OF CURING COMPOUND PER ASTM C309. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON [4.55l] PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.

2.10 THE CONTRACTOR SHALL SUBMIT PRODUCTS / METHODS FOR APPROVAL TO CLIENT REPRESENTATIVE TO FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/16".

2.11 ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECTED TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER CEMENT RATIO NOT EXCEEDING 0.53 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR AS PER ACI 301. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS AND GUTTERS, ETC.

2.12 CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ICC.

2.13 USE INTERMEDIATE GRADE ASTM A615, GRADE 60 FOR ALL REINFORCING. USE ASTM A706, GRADE 60 FOR ALL REINFORCING THAT IS TO BE WELDED. USE A108, GRADE 60, FOR ALL WELDED ANCHORS REFER TO AWS SPEC FOR WELDING WITHOUT PREHEAT. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH ALL BUILDING CODES.

2.14 OBSERVE FOLLOWING REINFORCEMENT CLEARANCES:

3" AT SURFACES POURED AGAINST EARTH

2" AT FORMED SURFACES EXPOSED TO EARTH OR WEATHER

1-1/2" AT OTHER SURFACES, EXCEPT WHERE SHOWN OTHERWISE.

2.15 SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.

2.16 SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS OR OTHER APPROVED METHOD (MORTAR BLOCKS ARE UNACCEPTABLE) OF SUPPORT FOR FOOTINGS AND SLABS ON GRADE.

2.17 REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING:

AT SLAB EDGES - 24 HOURS

AT WALLS LESS THAN 4'-0' HIGH - 36 HOURS.

2.18 MAKE ALL HOOKS ACI 318-11 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PILASTER TIES.

2.19 MAKE LAPS CONTACT SPLICES, DEVELOPMENT LENGTHS, HOOK EMBEDMENT PER ACI 318-11, UNLESS OTHERWISE NOTED. STAGGER LAP SPLICES WHERE POSSIBLE.

2.20 ALL REBAR SHALL BE COLD BENT.

2.21 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

2.22 MINIMUM CLEARANCE BETWEEN PARALLEL REINFORCEMENT BARS SHALL BE 2-1/2". LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTRACT LAP SPLICE METHOD WITH AT LEAST 2" CLEARANCE BETWEEN BARS.

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STATE OF TEXAS
2023-03-07
[illegible]

EL PASO COUNTY
SKATE PARKS RENOVATION

#	DATE	REVISION

SHEET TITLE:
SKATE PARK NOTES

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SP0.01

01 SPA0.00 REFERENCE SITE PLAN
SCALE: NTS
0 10' 20' 40'

TRUE NORTH PLAN NORTH

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY THAT ALL SIDEWALKS AND ADA RAMPS WITHIN THE ACCESSIBLE ROUTE BE IN COMPLIANCE WITH T.A.S.
B. CONTRACTOR SHALL PROTECT TREES AT ALL TIMES DURING CONSTRUCTION.
C. CONTRACTOR SHALL REPAIR ANY SIDEWALKS, CURBS, ETC DAMAGED DURING CONSTRUCTION.

LEGEND

ADA ACCESSIBLE ROUTE

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2583
2023-03-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE PARK
OVERALL
SITE PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21
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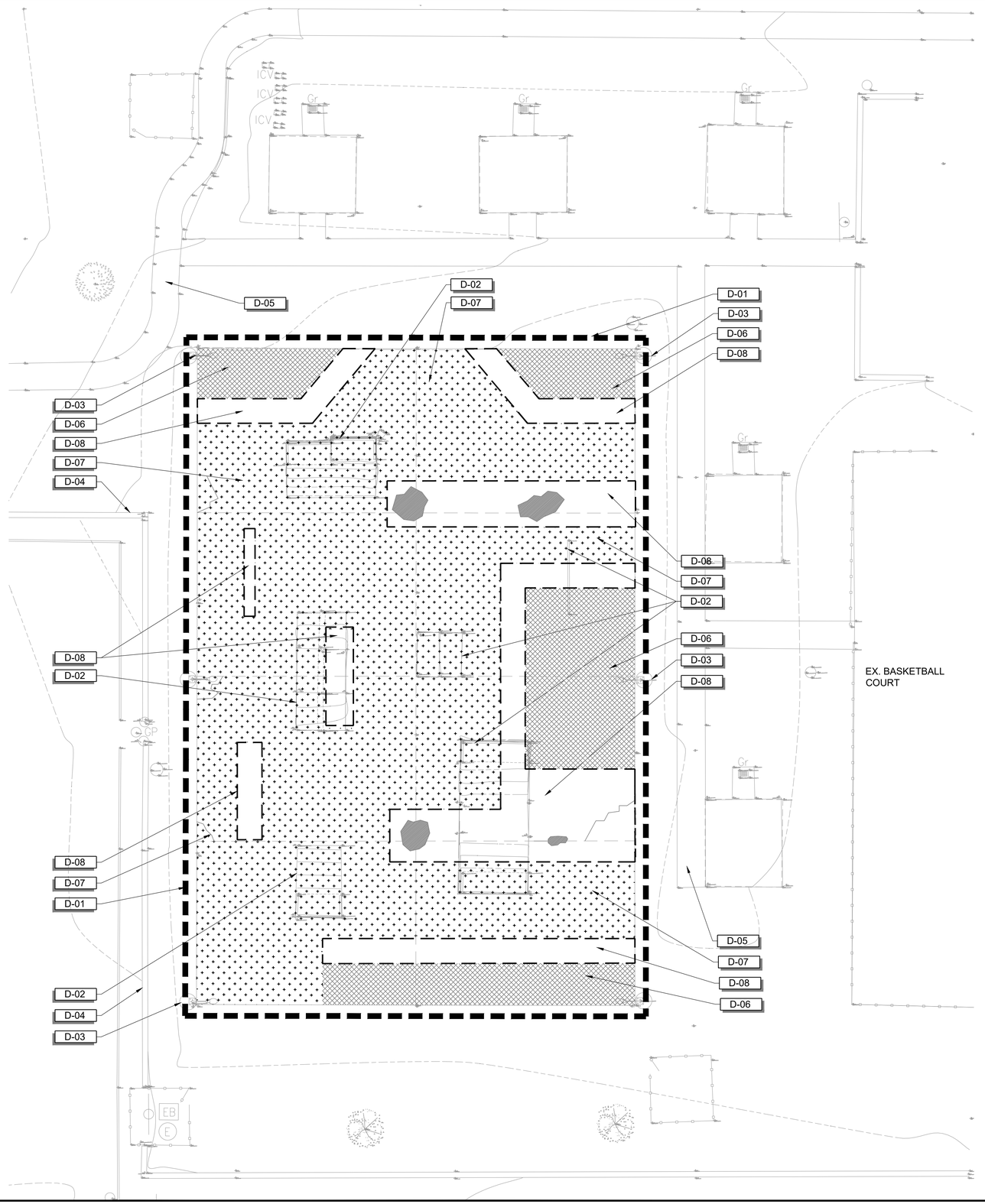

SKATE PARK DEMOLITION LEGEND

SYMBOL	DESCRIPTION
D-01	LIMIT OF WORK. SKATE PARK CONTRACTOR TO COORDINATE CONSTRUCTION FENCE, STAGING, AND ACCESS WITH CITY.
D-02	EX. SKATE PARK RAMP, RAIL, AND POST TO BE REMOVED. CONTRACTOR TO ENSURE CONCRETE IS REPAIRED AND SMOOTH, VOID OF ANY HOLES OR RIDGES UPON REMOVAL OF EX. FEATURES. CONTRACTOR TO PATCH HOLES , REPAIR CRACKS / SPALLS, AND / OR RESTORE JOINTS UPON DIRECTION OF SKATE PARK DESIGNER.
D-03	EX. LIGHT POST TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
D-04	EX. ROCKWALL TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
D-05	EX. SIDEWALK TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
D-06	JOINTS, CRACKS AND SPALLING AT EXISTING CONCRETE SLAB NOT REQUIRING REPAIR.
D-07	EXTENT OF JOINTING AND CRACK REPAIR REQUIRED AT EXISTING CONCRETE SLAB. AT A MINIMUM, CONTRACTOR TO REMOVE ALL EXISTING CAULKING, CLEAN JOINTS AND RE-CAULK . REFER TO SPA1.06 FOR CRACKING REPAIR PLAN AND DETAILS.
D-08	EXTENT OF CONCRETE DEMOLITION

DEMOLITION NOTES

1. CLEAR AND GRUB PROJECT SITE PRIOR TO CONSTRUCTION AS SPECIFIED IN THIS PLAN, AND AS NEEDED TO COMPLETE AND PROPER PREPARATION OF THE SITE.
2. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
3. TRAFFIC: CONDUCT SITE PREPARATION WORK TO ENSURE MINIMUM INTERFERENCE WITH EXISTING ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT EXISTING STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. COMPLETE THE CLEARING AND SITE PREPARATION WORK BEFORE STARTING EARTHWORK, ERECT TEMPORARY BARRICADES, ENCLOSURES AND PROTECTION OF ADJACENT PROPERTY AND EXISTING WORK BEFORE STARTING SITE CLEARING WORK.
5. INSPECT AND REVIEW THE PROJECT SITE TO DETERMINE EXISTING CONDITIONS WHICH AFFECT CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN ON THIS PLAN OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
6. PROTECTION OF EXISTING TREES AND VEGETATION (IF APPLICABLE) : PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO REMAIN.
7. SITE CLEARING: CLEAR THE PROJECT SITE OF EXISTING SITE MATERIALS AND MISCELLANEOUS DEBRIS WITHIN THE LIMITS OF WORK. DISPOSE MATERIALS FROM THE CLEARING OPERATION OFF-SITE TO A LEGAL DISPOSAL AREA.
8. PROTECTION OR PERSONS AND PROPERTY: CONTRACTOR TO PROVIDE A SIX FOOT TEMPORARY CHAIN LINK CONSTRUCTION FENCE, GATE AND CONSTRUCTION SIGNS AROUND LIMIT OF WORK DURING CONSTRUCTION. LOCATION OF FENCING SHALL BE APPROVED BY THE RESIDENT ENGINEER. STABILIZE TEMPORARY FENCE WITH SAND BAGS OR OTHER CITY APPROVED METHOD.
9. UTILITIES: CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES AND AGENCIES AS REQUIRED. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
10. IRRIGATION: BEFORE DEMOLITION, CONTRACTOR IS RESPONSIBLE TO: (A) VERIFY THE LOCATION OF ALL IRRIGATION MAINLINE, ELECTRIC WIRES AND VALVES, CAP AND LABEL MAINLINE AND ELECTRIC WIRES FOR FUTURE USE. (B) ANY ACTIVE IRRIGATION VALVE NEEDS TO BE RELOCATED AND RECONNECTED TO WATER SOURCE AND TO THE EXISTING IRRIGATION CONTROLLER TO INSURE PROPER IRRIGATION TO ALL SURROUNDING LANDSCAPE AREAS.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS, INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH OWNERS REPRESENTATIVE AND CITY.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PRESERVE ALL PERMANENT REFERENCE POINTS DURING CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED.

BID ALT. DEMOLITION NOTES

1. REFER TO SPA1.01 FOR BASE BID & BID ALTERNATE NOTE.
2. BID ALT. # 1 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS AND DEMOLITION OF ENTIRE ± 7005 S.F. EX. CONCRETE SLAB.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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STATE REGISTERED LANDSCAPE ARCHITECT
Mark Van der Zwaag
2553
STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK EX. CONDITIONS / DEMO PLAN

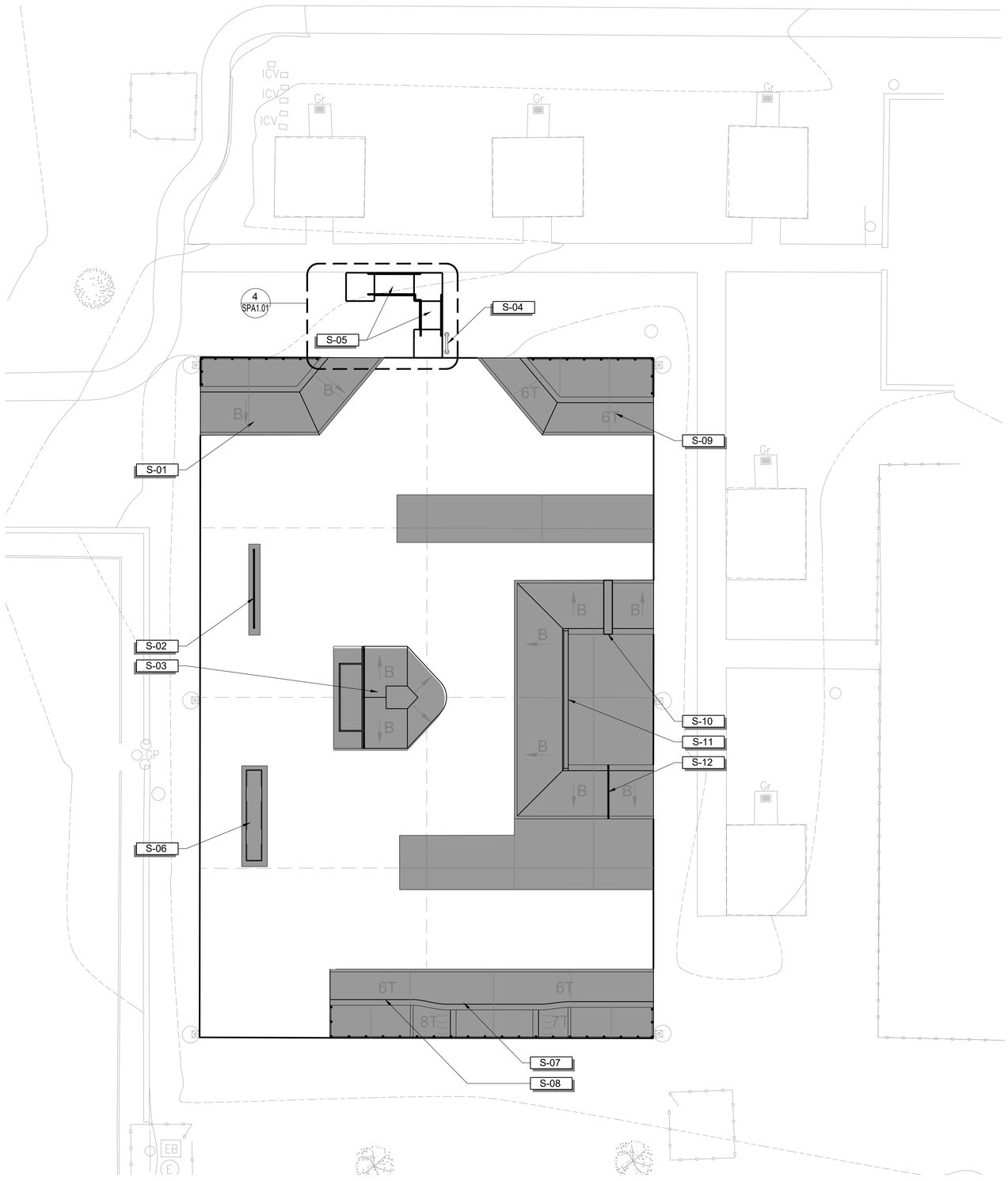
PHASE: BID SET

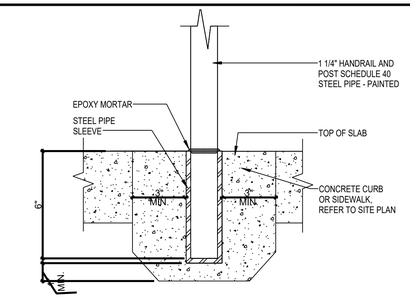
PROJECT NUMBER: 2022-21

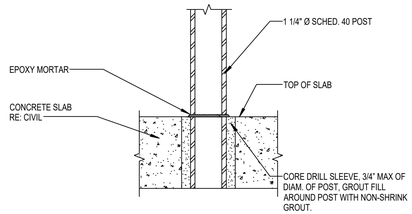
DATE: 03-07-2023

SHEET NUMBER: SPA1.00

SHEET SIZE: 36x24



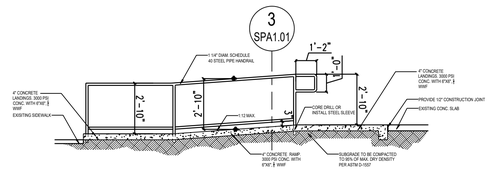




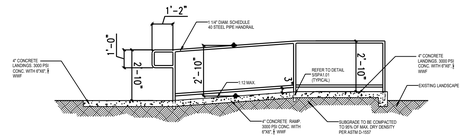
5 **RAILING RAMP DETAIL**

SKATE PARK FEATURE LEGEND

SYMBOL	DESCRIPTION
S-01	3' HIGH BANKED HIP
S-02	14" HIGH FLAT BAR
S-03	A-FRAME/ PYRAMID COMBO WITH RAIL AND MANUAL PAD
S-04	SKATE PARK ENTRY WITH RULES AND REGULATIONS SIGN. (NOT INCLUDED IN SKATE PARK SCOPE OF WORK. SIGN VERBIAGE TO BE SELECTED BY OWNER.)
S-05	SKATE PARK ADA ACCESSIBLE ENTRANCE
S-06	14" HIGH LEDGE
S-07	3' HIGH QUARTER PIPE
S-08	2.5' HIGH QUARTER PIPE
S-09	3' HIGH TRANSITION HIP
S-10	BANK WITH HIP AND HUBBA LEDGE
S-11	BANK TO CURB
S-12	BANK WITH HIP AND HANDRAIL
T	RADIUS OF WALL, REFER TO SKATE PARK SECTIONS
B	BANK / EMBANKMENT WALL WITH SLOPE AND/OR RADIUS AT BASE, REFER TO SKATE PARK SECTIONS
	BASE BID NEW CONCRETE FEATURES. SEE SPA1.06 FOR EXTENT OF CONCRETE REPAIRS. NOTE: BID ALT. # 1 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS, DEMOLITION OF ENTIRE EX. CONCRETE SLAB, AND INSTALLATION OF NEW TOP DECK.



1 RAMP SECTION



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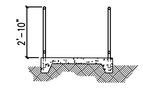

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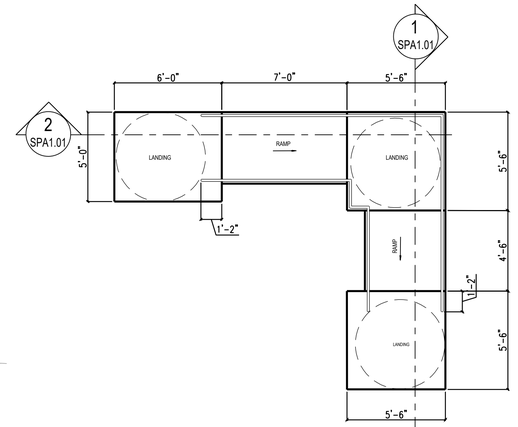
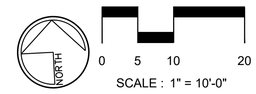


4 **ADA ACCESSIBLE RAMP PLAN**



SCALE : 1" = 10'-0"

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STATE OF TEXAS
2023-03-02

EL PASO COUNTY SKATE PARKS RENOVATION

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK FEATURE PLAN

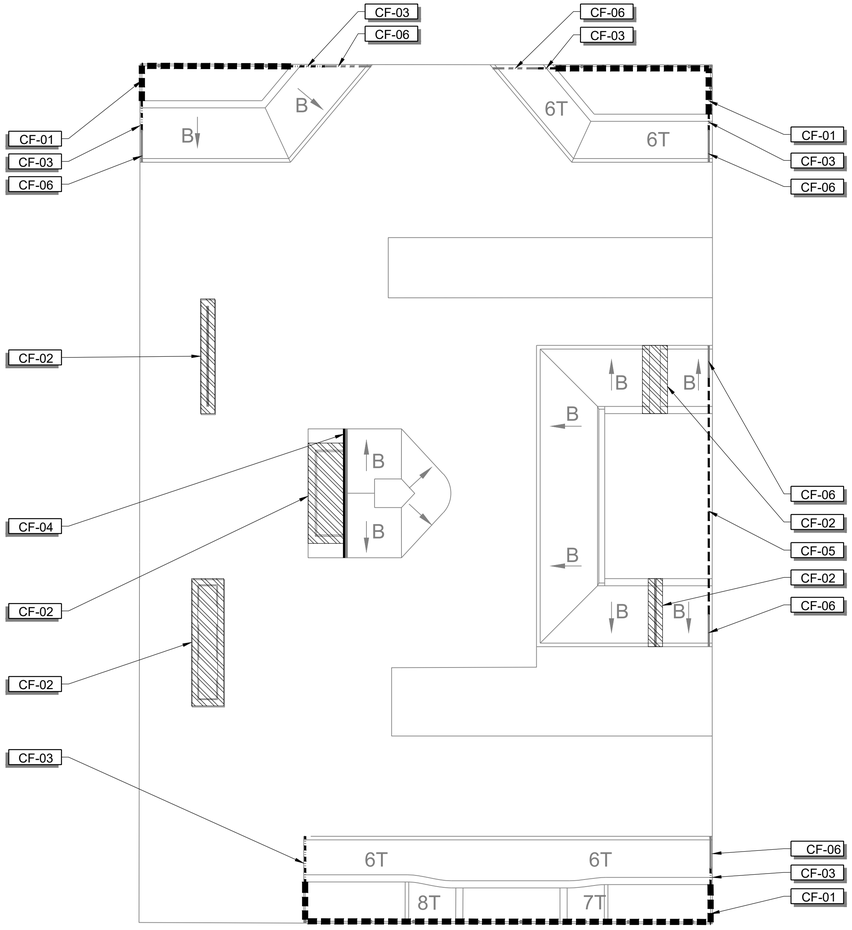
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 01-12-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA1.01



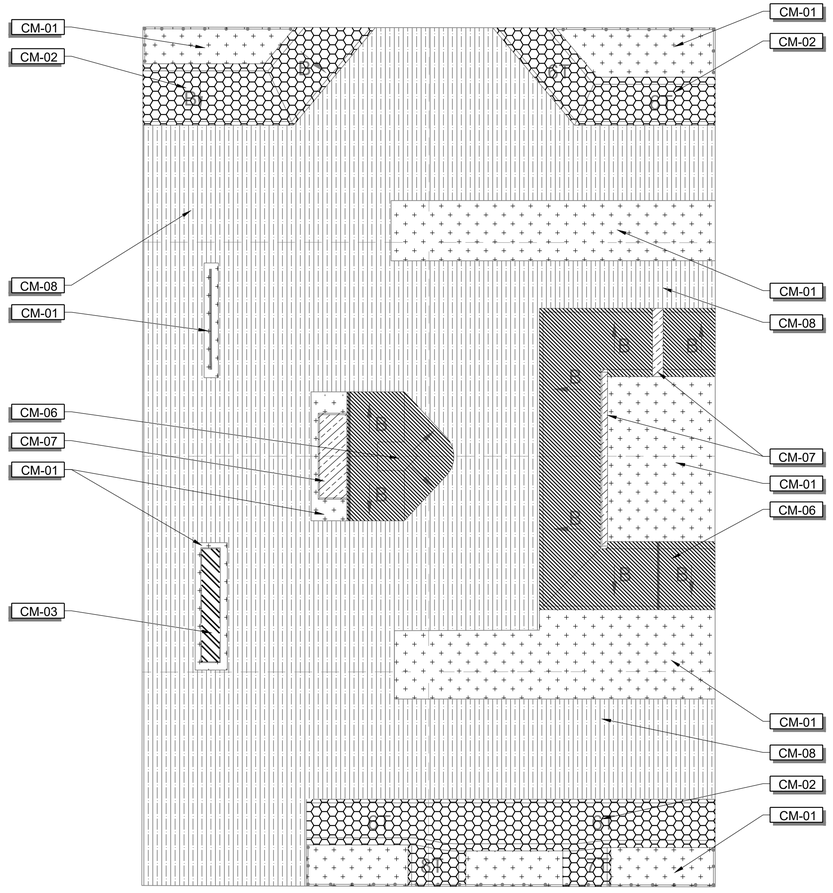
A CONCRETE FOUNDATION AND WALL PLAN

CONCRETE FOUNDATION & WALL LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CF-01	TURNDOWN WALL TIED TO EX. SLAB (10" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	07/SP5.05
CF-02	LEDGE / RAIL FOUNDATION - THICKENED TOP DECK, BANK, OR STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 01-04/SP5.05
CF-03	TURNDOWN WALL TIED TO EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03-04/SP5.04
CF-04	TURNDOWN WALL ON THICKENED TOP DECK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.05
CF-05	TURNDOWN WALL ON EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.04

CONCRETE MATERIAL NOTES

1. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
2. CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
3. CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
4. CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
5. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
6. FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
7. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
8. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.



B CONCRETE MATERIAL PLAN

CONCRETE MATERIAL LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CM-01	5" THK. CONCRETE SLAB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01/SP5.01
CM-02	6" THK. SHOTCRETE BOWL / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06-07/SP5.01
CM-03	CAPPED CAST IN PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 08/SP5.02
CM-06	6" THK. CAST IN PLACE BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.01
CM-07	CAST IN PLACE LEDGE (NO CAP)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	
CM-08	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED				01-06/SP1.06

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark van der Zalm
2553
STATE OF TEXAS
2023-03-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK CONC. FOUNDATION & MATERIAL PLAN

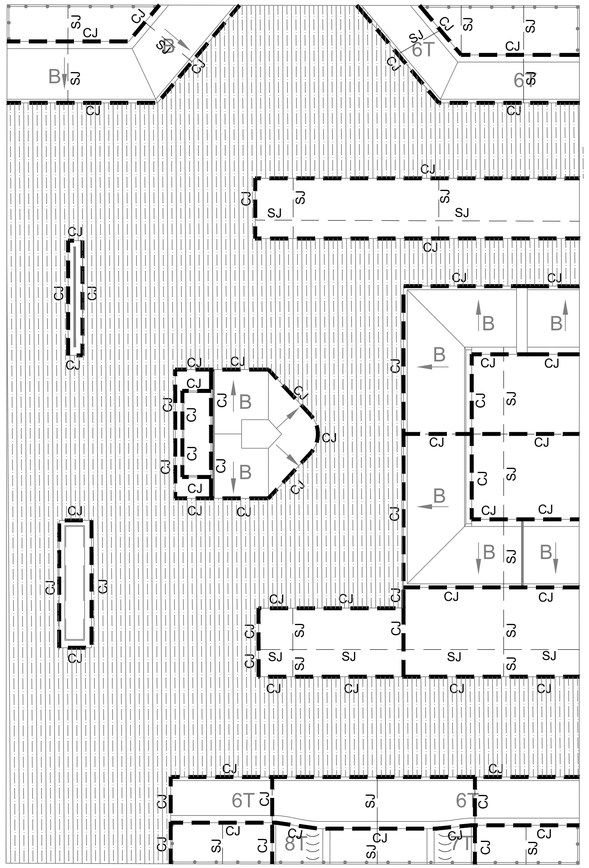
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA1.02



A CONCRETE JOINTING PLAN

CONCRETE JOINTING LEGEND

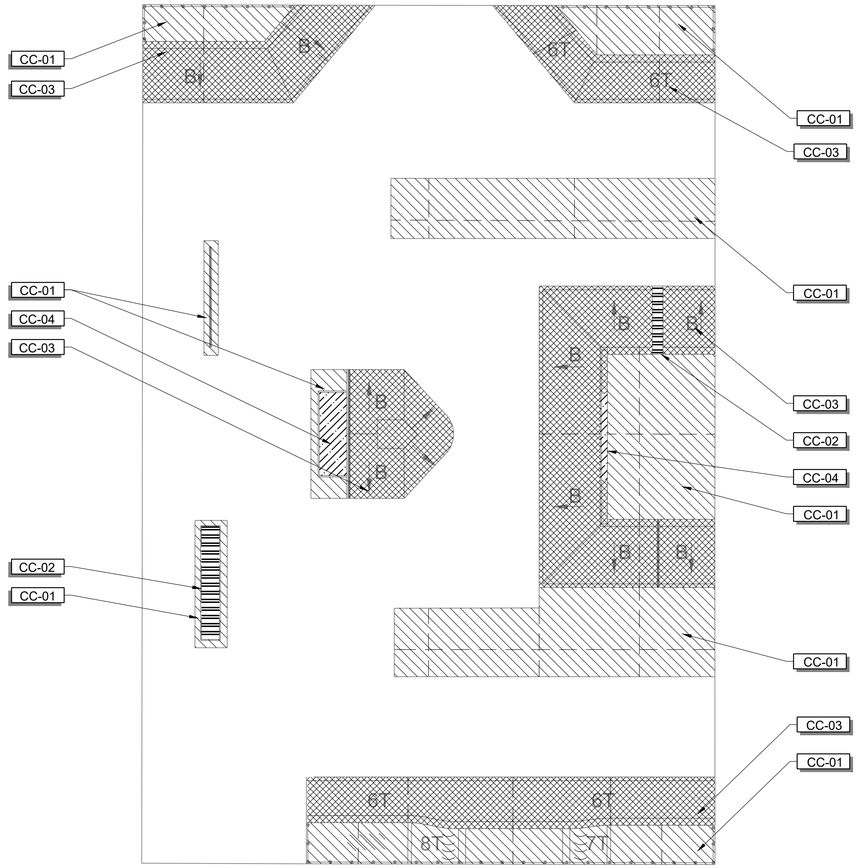
SYMBOL	DESCRIPTION	DETAIL
	CJ - CONSTRUCTION JOINT	02-04,07 /SP5.03
	SJ - SAWCUT JOINT	05/SP5.03
	EJ - EXPANSION JOINT (SEE NOTES 10 & 11)	06/SP5.03
	SCULPTURAL BLEND ZONE PROVIDE CUSTOM CONCRETE BLENDING FOR SMOOTH TRANSITIONS. THESE AREAS TYPICALLY REQUIRE GREATER HAND WORK AND QUALITY CONTROL TO ENSURE THAT BLENDS DO NOT RESULT IN IRREGULAR CONCRETE SURFACE CONDITIONS. THESE AREAS NEED TO BE REVIEWED AND APPROVED AT THE FINE GRADING STAGE, PRIOR TO CONCRETE PLACEMENT, BY THE SKATE PARK DESIGNER.	
	EX. CONCRETE SLAB WITH JOINTS TO BE REPAIRED, SEE SPA1.06	

CONCRETE JOINTING NOTES

1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".

BID ALT. NOTES

1. REFER TO SPA1.01 FOR BASE BID & BID ALTERNATE NOTE.
2. BID ALT. # 1 TO INCLUDE INSTALLATION OF CONSTRUCTION, SAW CUT, AND EXPANSION JOINTS AT 7005 SF TOP DECK. CONTRACTOR TO COORDINATE WITH SKATE PARK DESIGNER AN ANY ADDITIONAL JOINTING NECESSARY, APART FROM SHOWN ON BASE BID.



B CONCRETE COLOR PLAN

CONCRETE COLOR LEGEND

SYMBOL	DESCRIPTION
CC-01	NATURAL GRAY
CC-02	CANTILEVERED LEDGE CAP - PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR (OR APPROVED EQUAL) LEDGE BASE - NATURAL GRAY
CC-03	GRAPHITE / DAVIS COLORS 8084 (OR APPROVED EQUAL), INTEGRAL COLOR
CC-04	PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR

COLORED CONCRETE CURING NOTES

1. CONTRACTOR TO ENSURE THAT COLORED CONCRETE IS CURED AND SEALED AFTER EACH POUR PRIOR TO POURING ADJACENT COLORED CONCRETE SURFACES TO AVOID BLEEDING AND DUSTING.
2. COLORED CONCRETE SHALL BE CURED WITH AN APPROVED CURING AID. CONTRACTOR TO SUBMIT CURING AID PRODUCT SPECIFICATION TO CLIENT REPRESENTATIVE FOR APPROVAL.

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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2023.05.02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK CONC. JOINTING & COLOR PLAN

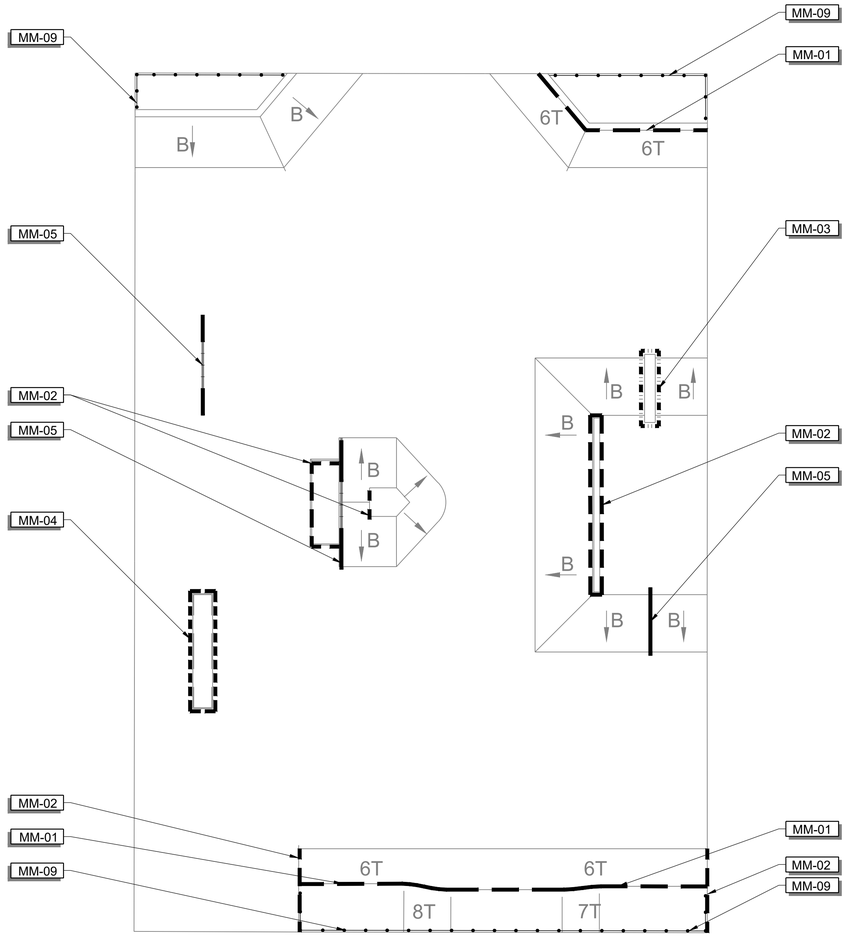
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET NUMBER: SPA1.03

SHEET SIZE: 36x24



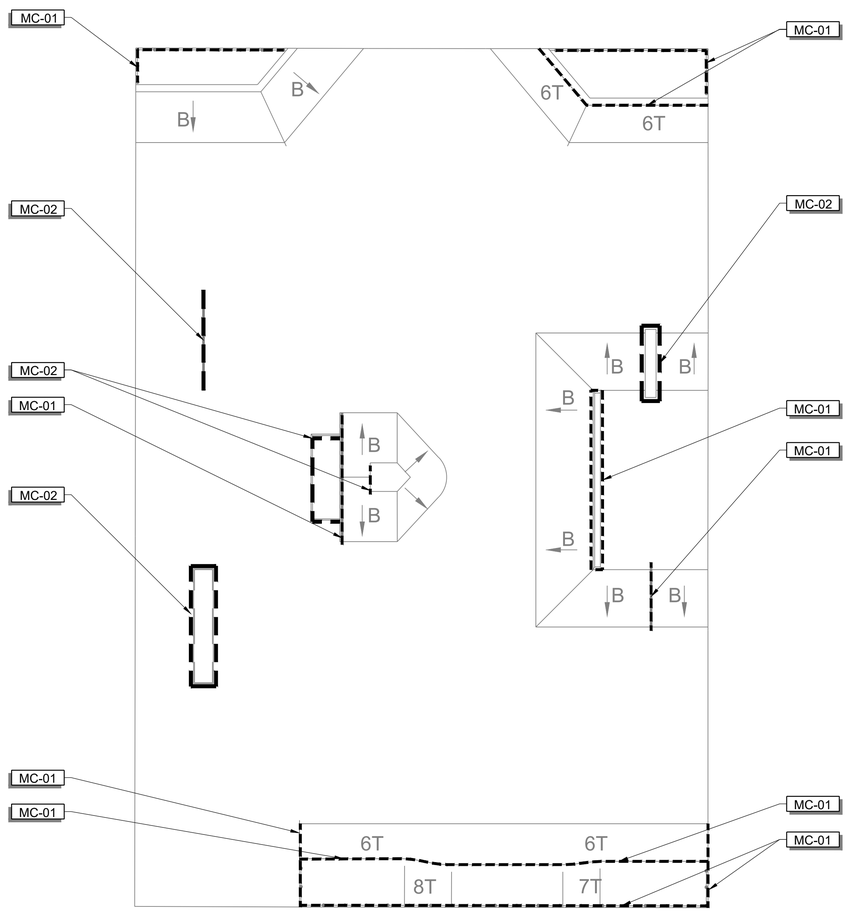
A METAL MATERIALS PLAN

METAL MATERIAL LEGEND

SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	DETAIL
MM-01	2-3/8" O.D. ROUND STEEL PIPE COPING		04/SP5.06
MM-02	1/4" THK. CUSTOM FABRICATED ANGLED PLATE EDGING		06/SP5.06
MM-03	6" x 1/4" x 1-7/8" C-CHANNEL EDGING (FLUSH)	C6X8.2 - 2.00" x 6.00" x 0.1875"	07/SP5.02
MM-04	6" x 1/4" x 1-7/8" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS (AT CANTILEVERED LEDGE CAPS)	C6X8.2 - 2.00" x 6.00" x 0.1875"	05/SP5.02
MM-05	2-3/8" O.D. ROUND PIPE TOP RAIL & 2"X6" SQUARE PIPE SUPPORT, AND CUSTOM CUT 2"X6" POSTS.		01-03/SP5.05
MM-08	CUSTOM CUT FLAT PLATE STEEL		04/SP5.02
MM-09	SAFETY GUARDRAIL		06/SP5.05

METAL MATERIAL NOTES

1. ALL METAL FABRICATION SIZES ARE NOMINAL.
2. ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. REFER TO SKATE PARK COLOR PLAN FOR PAINT COLORS IF PRIMING AND PAINTING.
3. QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED, THE REFERENCED STANDARDS, THE REQUIREMENTS OF THIS WORK, AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
4. WELDS NECESSARY TO CONNECT ALL COPING AND METAL FABRICATION SHOULD BE DONE BY CERTIFIED WELDER, GROUND SMOOTH, DE-BURRED AND COATED PER SPECIFICATIONS.
5. PROTECT ALL FINISH WORK ADJACENT TO METAL FABRICATION EFFORTS TO PREVENT ANY STAINING.
6. SAMPLES: REQUIRED FOR ALL COPING, RAILS, FENCING AND EDGING OF SKATE PARK. SUBMIT FINISH METAL SAMPLES FOR FINAL FINISH REQUIRED PRIOR TO DELIVERY TO SITE.
7. STEEL COPING: ROLL PIPE TO CONFORM WITH HORIZONTAL CONTROL RADII AT CENTERLINE OF PIPE.
8. CONTRACTOR SHALL REFER TO DETAIL ON 7/SP5.06 FOR COPING SUPPORT. SUBMIT DETAIL ALONG WITH SHOP DRAWINGS IF USING A DIFFERENT COPING SUPPORT PRIOR TO FABRICATION.
9. ALL METAL EDGING TO HAVE END CAPS WHERE EXPOSED TO CONCRETE.



B METAL COLOR PLAN

METAL COLOR / FINISH LEGEND

SYMBOL	DESCRIPTION
MC-01	PAINT COLOR: BLACK AMS-STD 17038 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS
MC-02	PAINT COLOR: INTERNATIONAL ORANGE AMS-STD 12197 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS

METAL PAINTING NOTES

1. SURFACE PREPARATION OF GALVANIZED SURFACES SHALL BE IN ACCORDANCE WITH SSPC SP16 AND ASTM D6386:
   A. ALL AREAS CONTAINING VISIBLE CONTAMINANTS SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC SP1 SOLVENT CLEANING.
   B. ALL AREAS CONTAINING NON-VISIBLE CONTAMINANTS SHALL BE PRESSURE WASHED CLEAN WITH CHLOR-RID PER MANUFACTURER'S SPECIFICATIONS.
   C. GALVANIZED SURFACES SHALL BE SWEEP-BLASTED TO ACHIEVE A SLIGHT ANGULAR SURFACE PROFILE 1 MIL. MIN. BLAST OF THE GALVANIZING SHALL BE DONE IN SUCH A MANNER AS TO NOT DAMAGE OR REMOVE ANY OF THE GALVANIZING. ANY GALVANIZING THAT IS DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. BLASTED SURFACES SHALL BE CLEAN, DRY, AND FREE OF CORROSION PRODUCTS AT TIME OF APPLICATION OF PAINT.
2. FINISH COAT SHALL BE ACROLON 218, MINIMUM DFT. 2.0 MILS. COLOR OF FINISH COAT SHALL HAVE FEDERAL STANDARD COLOR AS NOTED AND HAVE A SEMI-GLOSS FINISH. APPLICATION OF PAINT SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL SUBMIT PAINTED SAMPLES TO ALDOT AND SKATEPARK DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, GALVANIZING AND PAINTING.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark Van der Zalm 2563 STATE OF TEXAS
2023-03-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

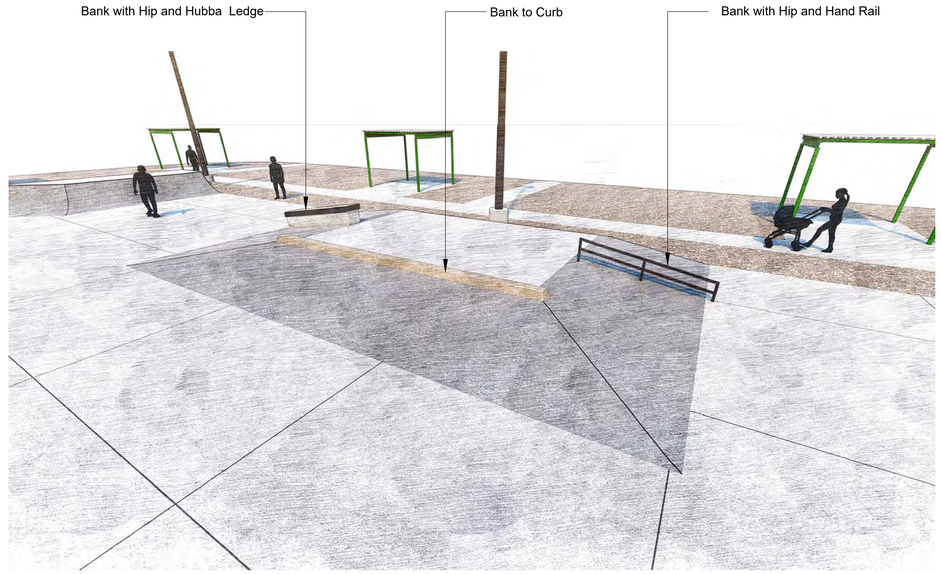
SHEET TITLE:
AGUA DULCE SKATE PARK METAL MATERIAL & COLOR PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21
SHEET NUMBER: SPA1.04
DATE: 03-07-2023
SHEET SIZE: 36x24

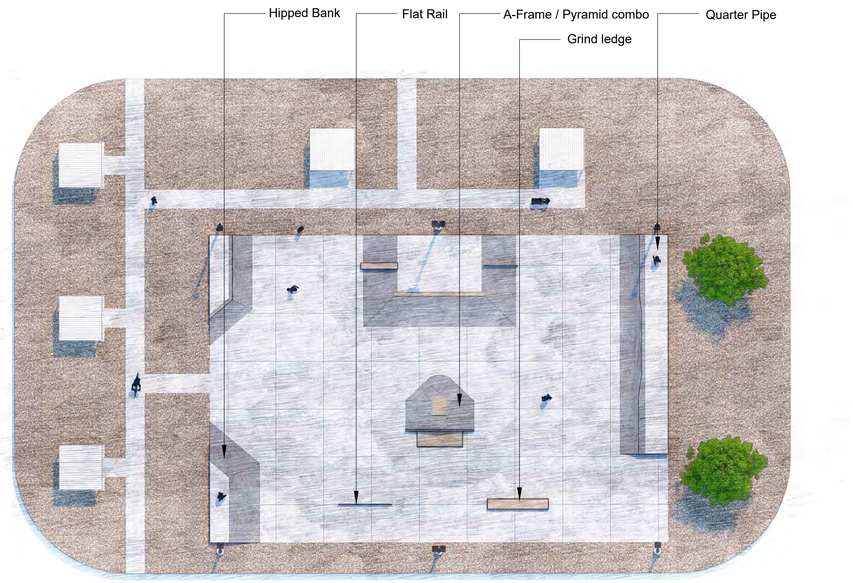
Note: Not for construction reference.
Alterations will be made to model during detailed design phase
Images are shown to display broader design concept only.
Safety guardrails not shown on model. See Metal Materials Plan for Safety Guardrail locations.

View 1



View 2

View 3



View 4

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STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT Mark Van der Zwaag 2553
2023-03-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

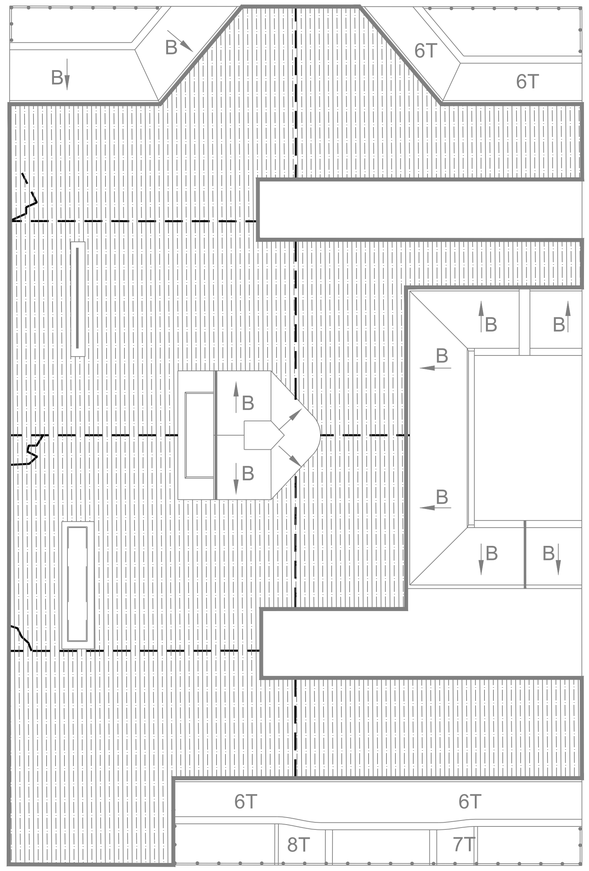
DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK ARTISTIC RENDERINGS

PHASE: BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPA1.05



A CONCRETE JOINTING PLAN

CONCRETE CRACKING LEGEND

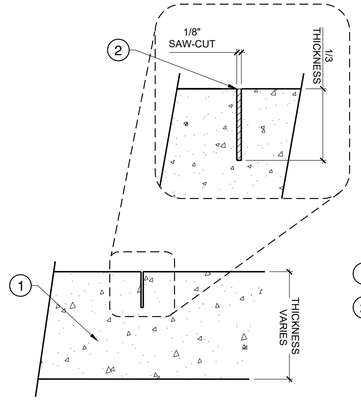
SYMBOL	DESCRIPTION	DETAIL
— —	APPROXIMATE LOCATIONS OF EXISTING LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	02-04,07 /SP5.03
	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	01-06/SPG1.06

NOTES

1. FINAL CONCRETE CRACKING REPAIR EXTENT TO BE COORDINATED WITH EXISTING JOINTS AND VERIFIED IN FIELD.
2. CRACK REPAIR DETAIL TO BE DETERMINED BY SIZE AND NATURE OF CONCRETE FAILURE.

CONCRETE JOINTING NOTES

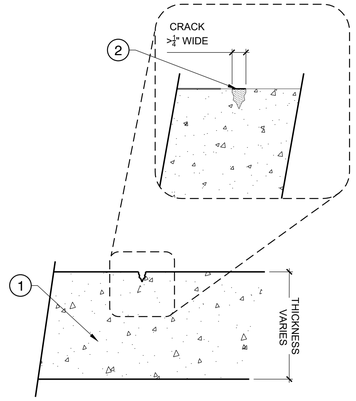
1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".



1. EXISTING TOP DECK OR FLATBOTTOM
2. CHASE THE CRACK WITH A SAWCUT USING A V-GROOVE BIT AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1A OR EQUAL-COLOR TO MATCH CONCRETE

NOTE:
CRACK CHASE REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

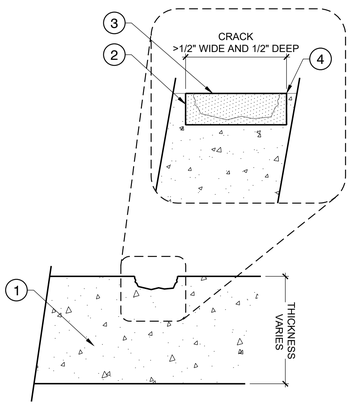
01 LINEAR CRACK CHASE SAW-CUT



1. EXISTING TOP DECK OR FLATBOTTOM
2. CLEAN CRACK VOID OF DUST, DEBRIS, AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH MAPEI PLANITOP X.

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

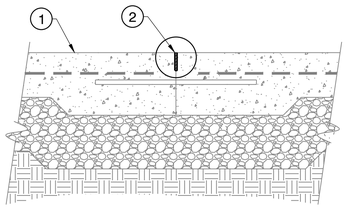
02 MAJOR LINEAR CRACK REPAIR



1. EXISTING TOP DECK
2. SAWCUT RECTANGLE AROUND THE PERIMETER OF CRACKING AREA 2" DEEP AND CHIP OUT CONCRETE
3. FILL WITH CONCRETE, SMOOTH TROWEL FINISH TO MATCH ADJACENT DECK
4. 1/8" TOOLED EDGE ON ALL SIDES

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/2" WIDE AND 1/2" DEEP

03 FLATWORK NON-LINEAR CRACK/BLOWOUT REPAIR

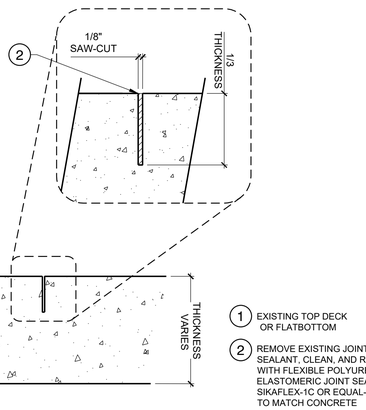


1. EXISTING SKATEPARK CONCRETE
2. SAWCUT EXISTING COLD JOINT WITH ⅛" V-GROOVE BIT AND FILL JOINT WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1C SL OR EQUAL- COLOR TO MATCH CONCRETE

NOTE: MINOR REPAIR CONDITION APPLIED FOR JOINTS OR CRACKS SMALLER THAN OR EQUAL TO ¼" WIDE.

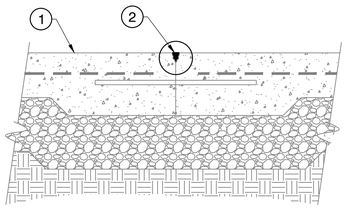
05 MINOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S



1. EXISTING TOP DECK OR FLATBOTTOM
2. REMOVE EXISTING JOINT SEALANT, CLEAN, AND REPLACE WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1C OR EQUAL-COLOR TO MATCH CONCRETE

04 SAW-CUT JOINT CLEANING AND REPAIR



1. EXISTING SKATEPARK CONCRETE
2. CLEAN CRACK VOID AND REMOVE ANY LOOSE CONCRETE MATERIAL AROUND CRACK, INSTALL MAPEI PLANITOP X

NOTE: MINOR REPAIR CONDITION APPLIED FOR CRACKS OR JOINTS GREATER THAN 1/4" WIDE.

06 MAJOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT — Mark Van der Zalm — 2553 — STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY — TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK CONC. CRACKING REPAIR PLAN

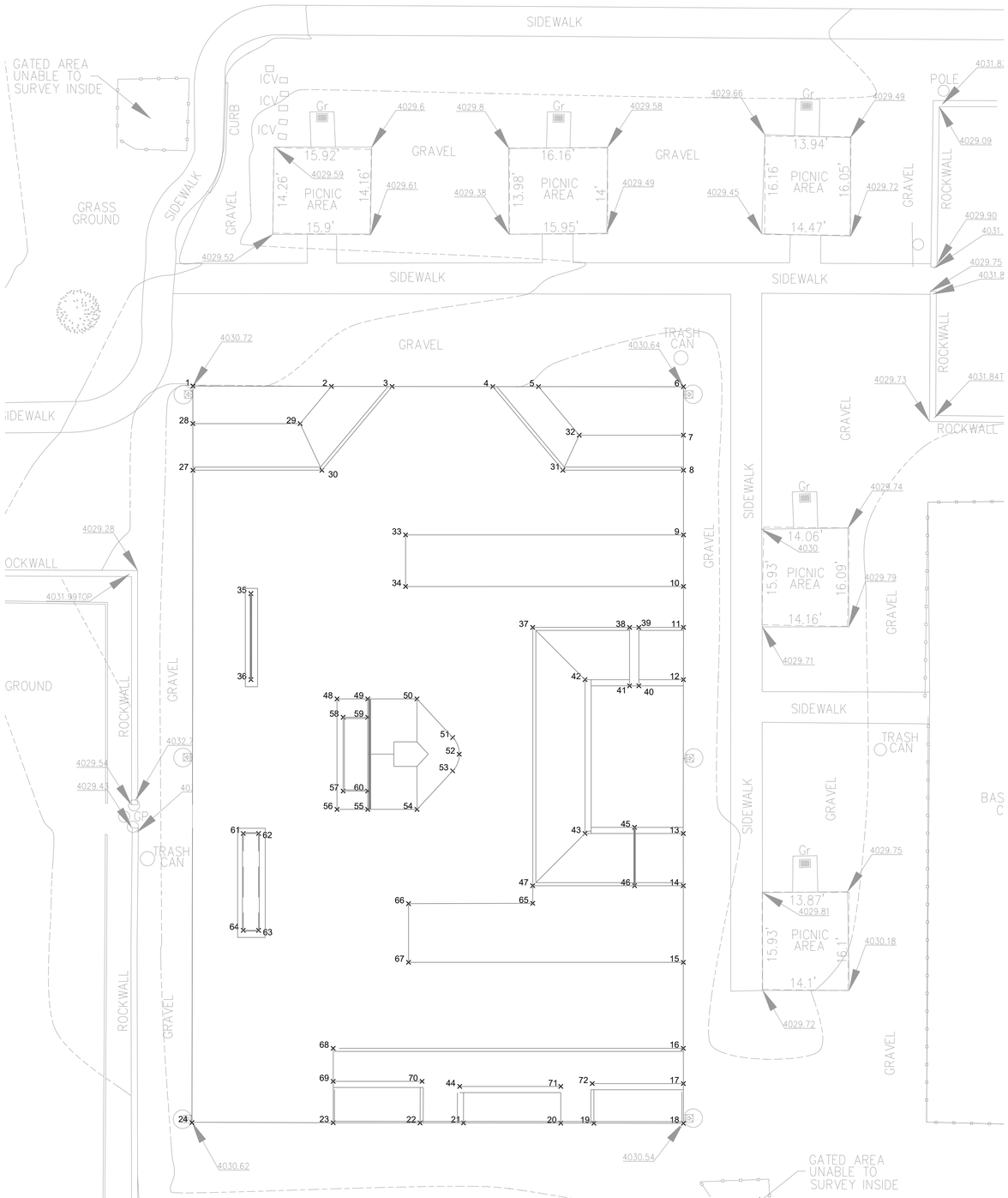
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA1.06



A LAYOUT PLAN - POINTS

Site Layout Point Table		
Point #	Northing	Easting
1	10612650.33	491592.43
2	10612649.14	491614.98
3	10612648.62	491624.86
4	10612647.78	491641.25
5	10612647.40	491648.70
6	10612646.20	491672.29
7	10612638.31	491671.90
8	10612632.61	491671.62
9	10612622.08	491671.09
10	10612613.68	491670.67
11	10612607.03	491670.33
12	10612598.51	491669.89
13	10612573.48	491668.60
14	10612564.97	491668.18
15	10612552.51	491667.56
16	10612538.51	491666.84
17	10612532.76	491666.57
18	10612526.30	491666.25

Site Layout Point Table		
Point #	Northing	Easting
19	10612527.05	491651.68
20	10612527.34	491646.28
21	10612528.16	491630.44
22	10612528.53	491623.37
23	10612529.26	491609.23
24	10612530.46	491586.24
27	10612636.63	491591.73
28	10612644.21	491592.12
29	10612643.33	491609.58
30	10612635.57	491612.73
31	10612633.60	491651.98
32	10612639.17	491654.93
33	10612624.36	491625.84
34	10612615.96	491625.42
35	10612616.08	491600.16
36	10612602.06	491599.46
37	10612608.26	491645.78
38	10612607.47	491661.55
39	10612607.39	491663.05
40	10612597.88	491662.57

Site Layout Point Table		
Point #	Northing	Easting
41	10612597.96	491661.07
42	10612599.32	491653.86
43	10612574.29	491652.60
44	10612534.14	491630.12
45	10612574.88	491660.73
46	10612565.37	491660.25
47	10612566.20	491643.66
48	10612598.22	491613.32
49	10612597.97	491618.33
50	10612597.56	491626.34
51	10612590.99	491631.84
52	10612588.22	491632.77
53	10612585.56	491631.57
54	10612579.58	491625.45
55	10612579.99	491617.42
56	10612580.24	491612.42
57	10612583.17	491613.56
58	10612595.19	491614.17
59	10612594.99	491618.18
60	10612582.97	491617.57

Site Layout Point Table		
Point #	Northing	Easting
61	10612577.09	491596.95
62	10612576.96	491599.45
63	10612561.19	491598.66
64	10612561.32	491596.15
65	10612563.34	491643.52
66	10612564.31	491623.29
67	10612554.76	491622.81
68	10612541.38	491609.83
69	10612536.01	491609.56
70	10612535.28	491624.04
71	10612533.31	491646.58
72	10612533.51	491651.73

B TABLE - POINTS

NOTE:

COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Mark
2553
STATE OF TEXAS
2021-05-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK LAYOUT PLAN

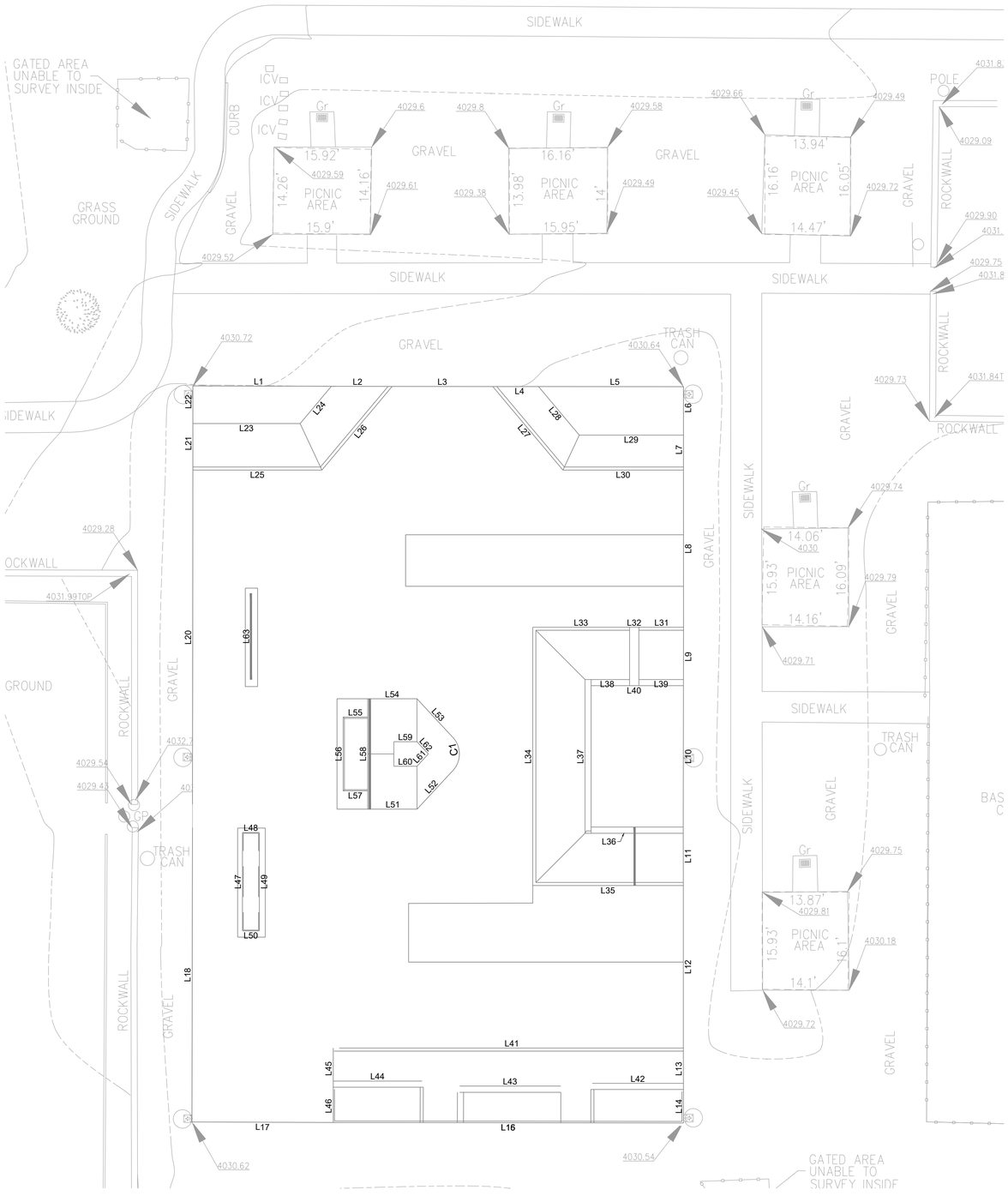
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA2.01



A LAYOUT PLAN - LINES & CURVES

Line Table		
Line #	Length	Direction
L1	21.27	S86° 59' 16.69"E
L2	11.20	S86° 59' 16.69"E
L3	16.42	S87° 02' 42.16"E
L4	8.77	N87° 05' 26.98"W
L5	22.31	S87° 05' 26.98"E
L6	6.90	S02° 50' 04.58"W
L7	6.71	N02° 49' 59.26"E
L8	25.61	S02° 52' 33.55"W
L9	9.53	S02° 56' 55.63"W
L10	23.06	S02° 56' 55.67"W
L11	9.53	S02° 52' 24.87"W
L12	26.49	S02° 51' 08.95"W
L13	6.75	N02° 51' 08.95"E
L14	5.47	N02° 51' 08.95"E
L15	57.10	N87° 01' 35.26"W
L16	57.10	N87° 01' 35.26"W
L17	23.02	N86° 55' 02.88"W
L18	47.99	N02° 58' 26.89"E
L20	54.51	N02° 56' 45.78"E
L21	8.60	N02° 54' 28.30"E

Line Table		
Line #	Length	Direction
L22	5.12	N02° 54' 28.30"E
L23	17.49	N87° 06' 59.84"W
L24	7.93	S42° 53' 00.16"W
L25	21.03	N87° 06' 59.84"W
L26	17.81	S42° 53' 00.16"W
L27	17.78	N37° 06' 59.84"W
L28	10.32	N37° 06' 59.84"W
L29	16.99	N87° 06' 59.84"W
L30	19.66	N87° 06' 59.84"W
L31	7.28	S87° 06' 59.84"E
L32	1.50	S87° 06' 59.84"E
L33	15.79	S87° 06' 59.84"E
L34	42.11	N02° 53' 00.16"E
L35	24.57	N87° 06' 59.84"W
L36	16.02	N87° 06' 59.84"W
L37	25.07	N02° 53' 00.16"E
L38	7.27	N87° 06' 59.84"W
L39	7.27	N87° 06' 59.84"W
L40	1.50	N87° 06' 59.84"W
L41	56.11	S87° 06' 59.84"E

Line Table		
Line #	Length	Direction
L42	14.86	S87° 06' 59.84"E
L43	16.49	S87° 06' 59.84"E
L44	14.49	S87° 06' 59.84"E
L45	6.71	N02° 53' 00.16"E
L46	5.42	N02° 53' 00.16"E
L47	16.04	N02° 53' 00.16"E
L48	2.76	S87° 06' 59.84"E
L49	16.04	S02° 53' 00.16"W
L50	2.76	N87° 06' 59.84"W
L51	8.04	S87° 06' 59.84"E
L52	8.55	N45° 42' 59.40"E
L53	8.57	S39° 56' 59.07"E
L54	8.02	S87° 06' 59.84"E
L55	4.01	S87° 06' 59.84"E
L56	12.03	N02° 53' 00.16"E
L57	4.01	N87° 06' 59.84"W
L58	18.00	N02° 53' 00.16"E
L59	3.76	S87° 06' 59.84"E
L60	3.76	S87° 06' 59.84"E
L61	2.74	N45° 42' 59.40"E

Line Table		
Line #	Length	Direction
L62	2.73	S39° 56' 59.07"E
L63	14.04	N02° 51' 40.44"E

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	5.98	4.00	085.6662	N02° 53' 00.16"E	5.439

B TABLES - LINES & CURVES

NOTE:

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*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark Van der Zyl 2553 STATE OF TEXAS
2021.09.02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK LAYOUT PLAN

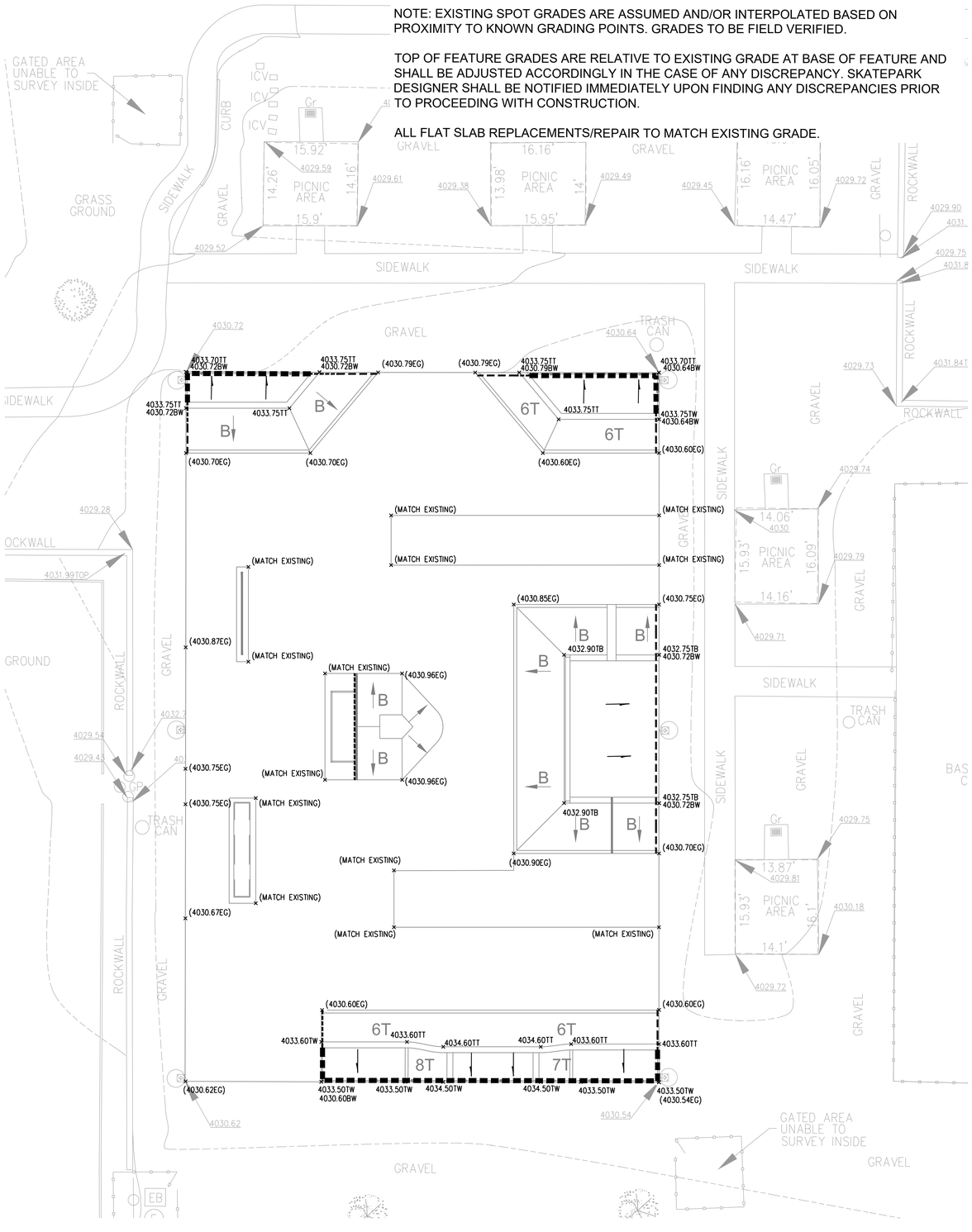
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET NUMBER: SPA2.02

SHEET SIZE: 36x24



SKATE PARK GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
——►	DIRECTION OF SURFACE FLOW
— —	G.B. BREAK IN GRADE
× 688.00BT	PROPOSED SPOT GRADE
× (688.00EG)	MATCH EXISTING GRADE
T	RADIUS OF WALL. REFER TO SECTION SHEETS FOR PROFILE VIEW
B	BANK-EMBANKMENT WALL WITH SLOPE AND RADII AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW.
———	F.L. FLOWLINE IN SWALE
— —	TURNDOWN WALL PER CONCRETE FOUNDATION PLANS, SP1.02

SPOT ELEVATION LEGEND

BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
TB	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TL	TOP OF LEDGE
BL	BOTTOM OF LEDGE
TC	TOP OF CURB
BC	BOTTOM OF CURB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
RIM	RIM OF DRAIN
INV	INVERT
EG	ASSUMED EXISTING GRADE (TO BE FIELD VERIFIED)

SKATE PARK GRADING & DRAINAGE NOTES

1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK DEISGNER IN THE FIELD.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
5. MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
6. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
7. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
8. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
9. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK DESIGNER.
10. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
11. MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
12. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SKATE PARK SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
13. CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK FOOTPRINT.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT CLIENT'S REPRESENTATIVES AND SKATE PARK DESIGNER.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE CLIENT'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

SITE GRADING NOTE

1. SKATE PARK DRAINAGE PATTERNS TO FOLLOW EX. SLAB GRADES. EXISTING SLABS ARE GENERALLY FLAT WITH NO SLOPE FOR DRAINAGE. THEREFORE, PUDDING / PONDING OR OTHER DRAINAGE ISSUES MAY OCCUR DUE TO EXISTING CONDITIONS AT NO FAULT OF THE PROPOSED SKATEPARK DESIGN.
2. EXISTING GRADE (EG) IS ASSUMED IN LOCATIONS WHERE THERE IS NO SURVEY DATA. THESE ELEVATIONS SHALL BE FIELD LOCATED AND ADJUSTED ACCORDINGLY.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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STATE REGISTERED LANDSCAPE ARCHITECT Mark Van der Mark 2553 STATE OF TEXAS
2023.03.07

EL PASO COUNTY SKATE PARK RENOVATION

#	DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK GRADING & DRAINAGE PLAN

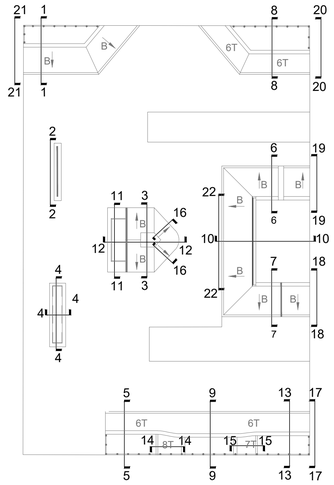
PHASE: BID SET

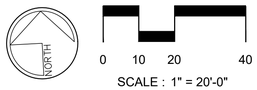
PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET NUMBER: SPA3.01

SHEET SIZE: 36x24





KEY MAP

CONCRETE GENERAL / SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

MATERIAL LEGEND

- CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

GENERAL NOTES

1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
4. FINAL GRADE EARTHWORK AND FORM WORK TO REVIEWED AND APPROVED BY SKATE PARK DESIGN TEAM. SKATE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
5. ALL DIMENSIONS AT BOTTOM OF BOWLS, EMBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
6. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATE PARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATE PARK LAYOUT PLAN.
7. CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.
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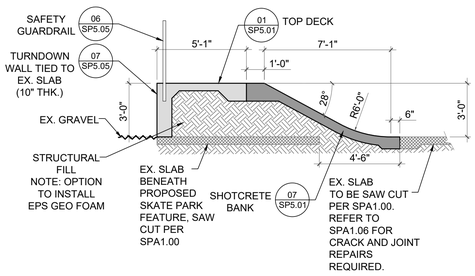
NOTES



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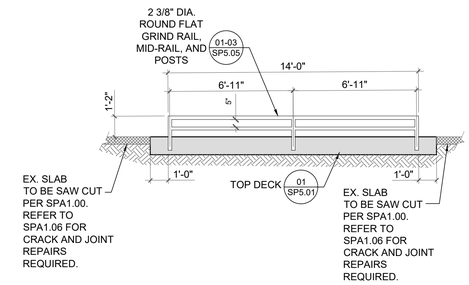

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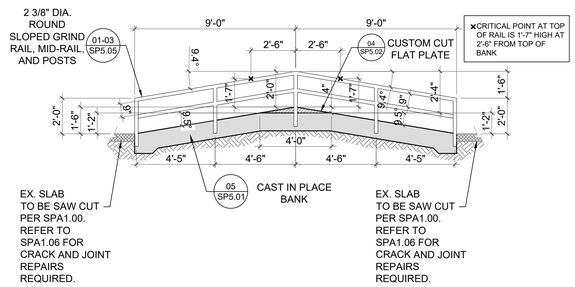

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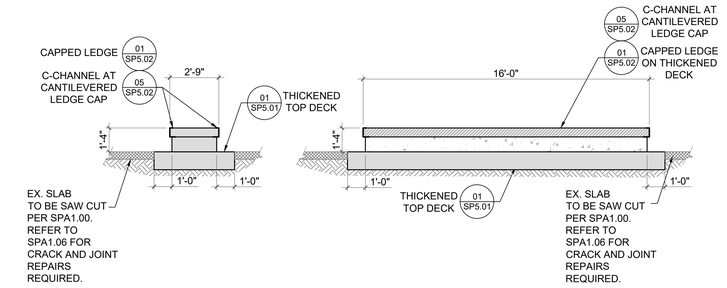

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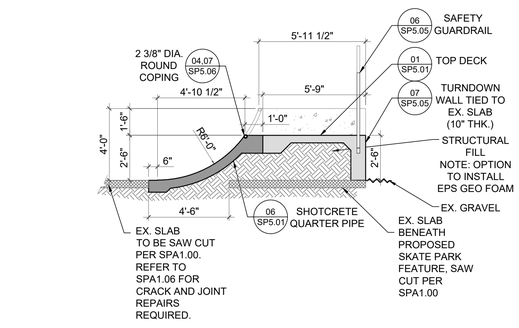

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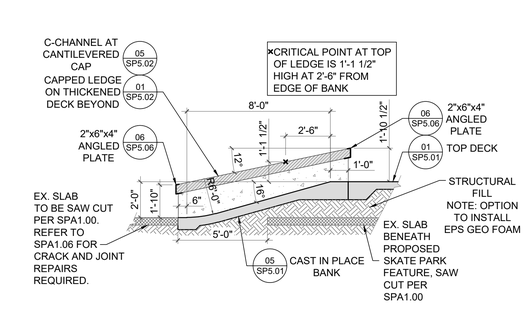

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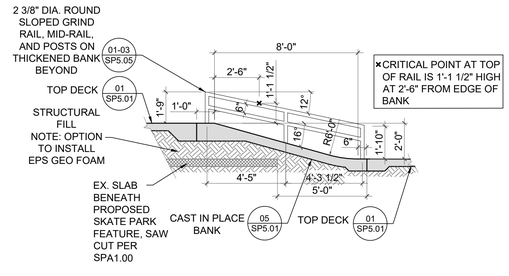

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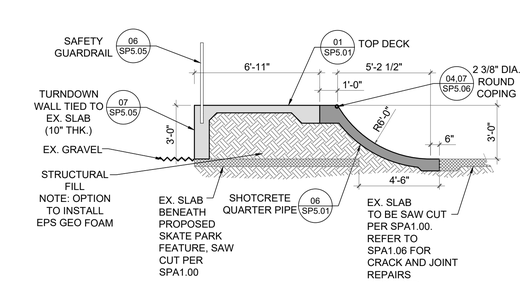

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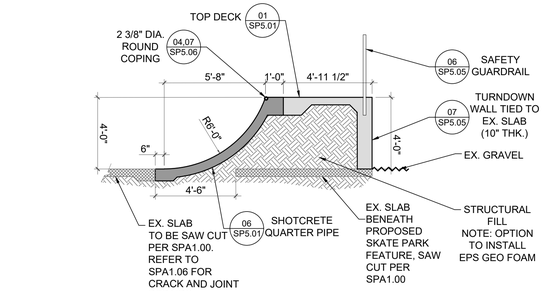

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newlineskateparks.com

REGISTERED LANDSCAPE ARCHITECT Mark van der Vaart 2553 STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK SECTIONS / PROFILES

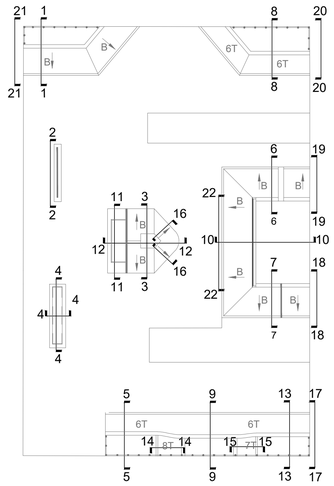
PHASE: BID SET

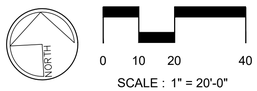
PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA4.01





SCALE : 1" = 20'-0"

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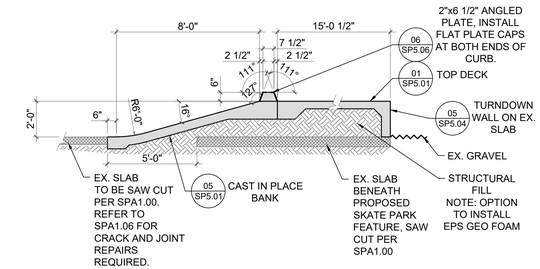
NOTES



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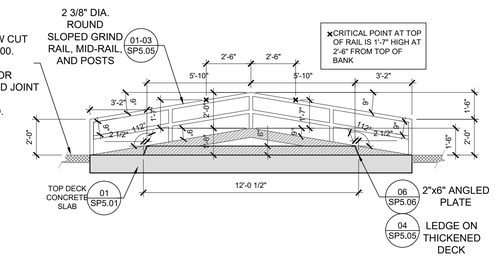

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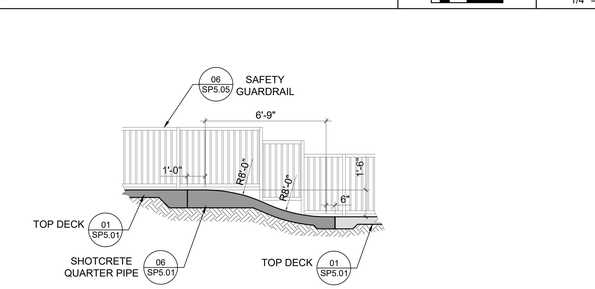

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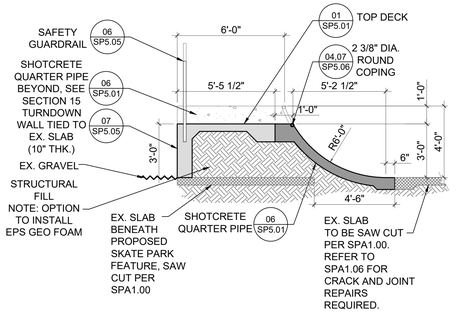

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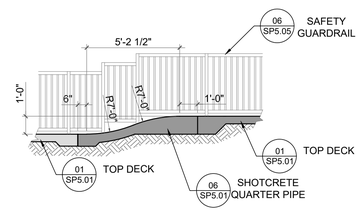

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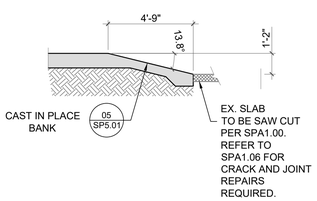

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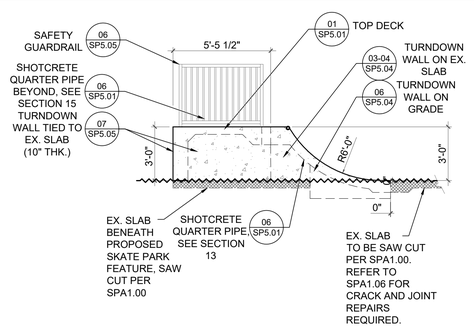

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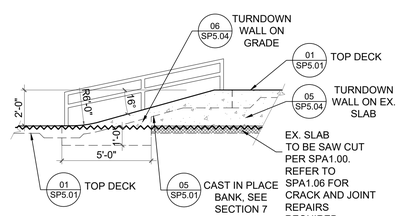

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REGISTERED LANDSCAPE ARCHITECT Mark Van der Zee 2553 STATE OF TEXAS
2021-09-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
AGUA DULCE SKATE PARK SECTIONS / PROFILES

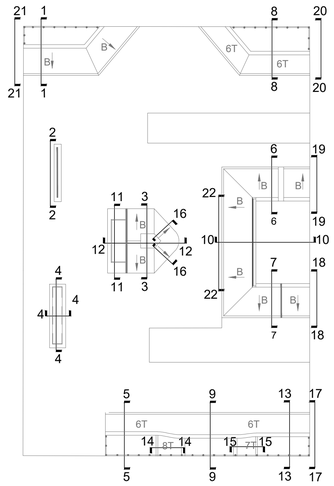
PHASE: BID SET

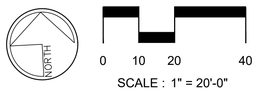
PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA4.02





SCALE : 1" = 20'-0"

KEY MAP

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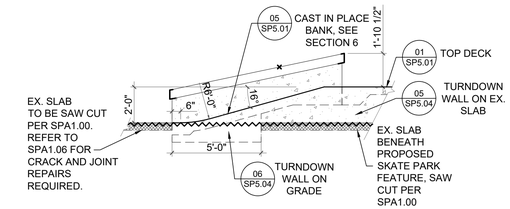
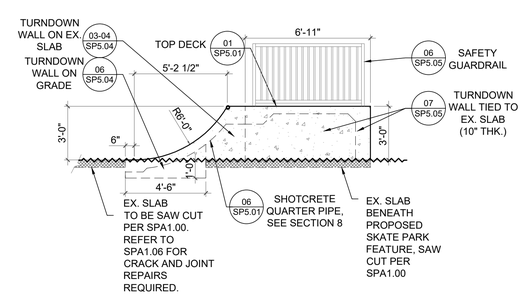


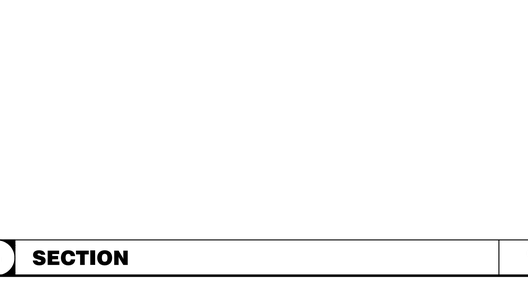
19 SECTION

SCALE 1/4" = 1'-0"



20 SECTION

SCALE 1/4" = 1'-0"



21 SECTION

SCALE 1/4" = 1'-0"

22 SECTION

SCALE 1/4" = 1'-0"

SECTION

SCALE 1/4" = 1'-0"

SECTION

SCALE 1/4" = 1'-0"

SECTION

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REGISTERED LANDSCAPE ARCHITECT — Mark Van der Kloet — 2553 — STATE OF TEXAS — 2021-05-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY — TEXAS

DATE	REVISION

SHEET TITLE: AGUA DULCE SKATE PARK SECTIONS / PROFILES

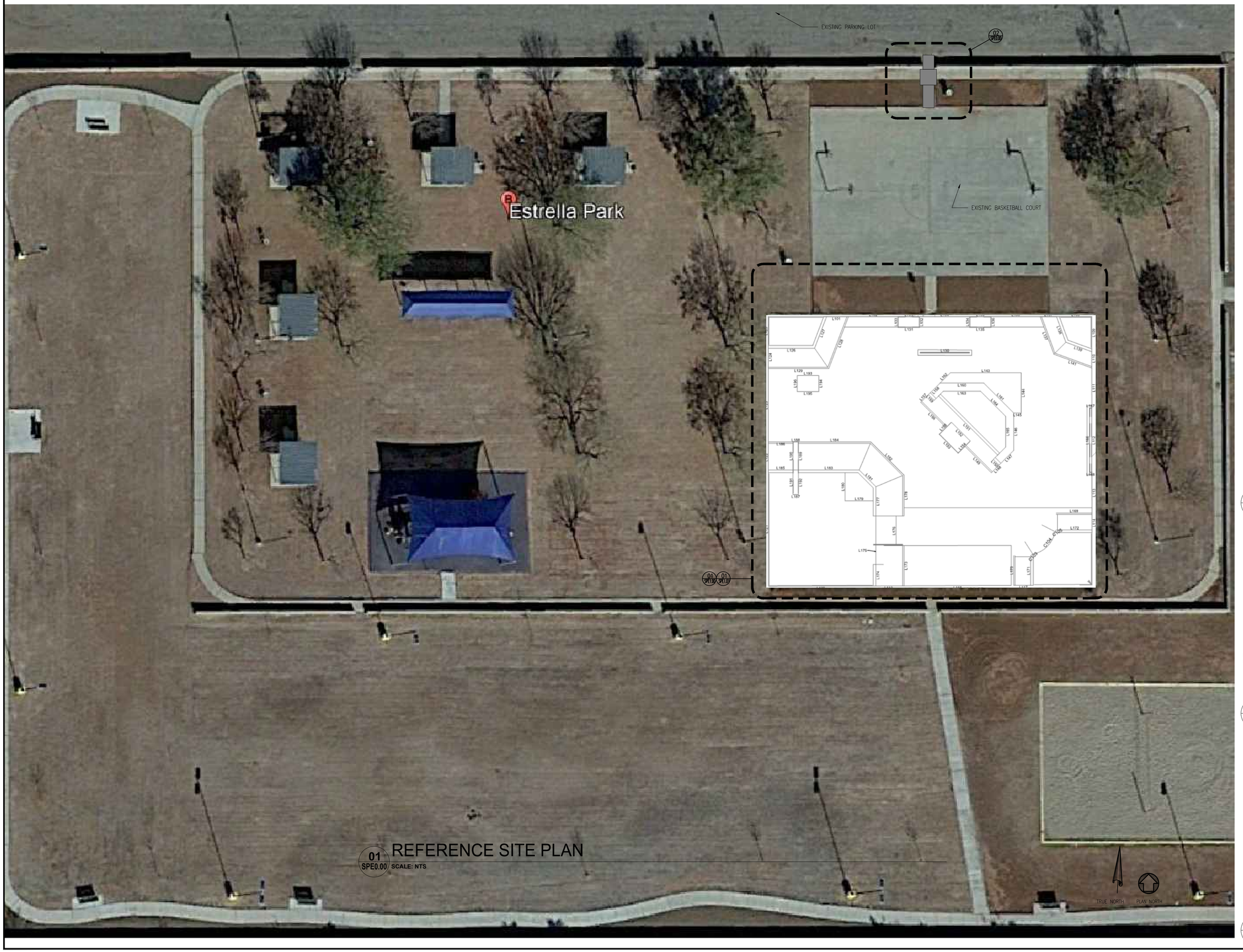
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPA4.03



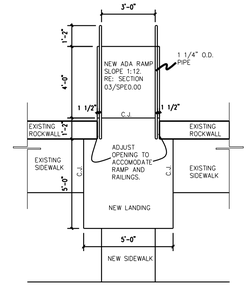
01 REFERENCE SITE PLAN
SPE0.00 SCALE: NTS

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY THAT ALL SIDEWALKS AND ADA RAMPS WITHIN THE ACCESSIBLE ROUTE BE IN COMPLIANCE WITH T.A.S.
B. CONTRACTOR SHALL PROTECT TREES AT ALL TIMES DURING CONSTRUCTION.
C. CONTRACTOR SHALL REPAIR ANY SIDEWALKS, CURBS, ETC DAMAGED DURING CONSTRUCTION.

LEGEND

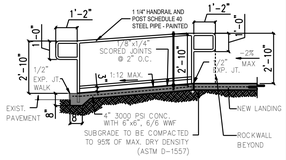
ADA ACCESSIBLE ROUTE



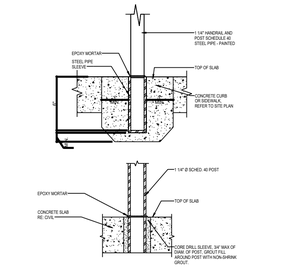
02 RAMP FLR. PLAN
SPE0.00 SCALE: NTS

WHEEL CHAIR RAMP NOTES

1. CONCRETE TO BE CLASS 'A' W/ COMPRESSIVE STRENGTH OF 3000 PSI (MIN.) AT 28 DAYS AND RAMP SURFACE SHALL HAVE A ROUGH NON-SKID TYPE FINISH.
2. CONSTRUCTION METHODS SHALL CONFORM WITH THE COUNTY STANDARD SPECIFICATIONS.
3. PROVIDE 1/2" EXPANSION JOINT (M-33) BETWEEN RAMP AND SIDEWALK.
4. SAW CUT AND REMOVE EXISTING CURBS, SIDEWALKS OR ROCKWALLS AS REQUIRED.



03 RAMP SECTION
SPE0.00 SCALE: NTS



04 RAILING DETAIL
SPE0.00 SCALE: 1 1/2" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mario Van de Zande
2553
STATE OF TEXAS
2023-03-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

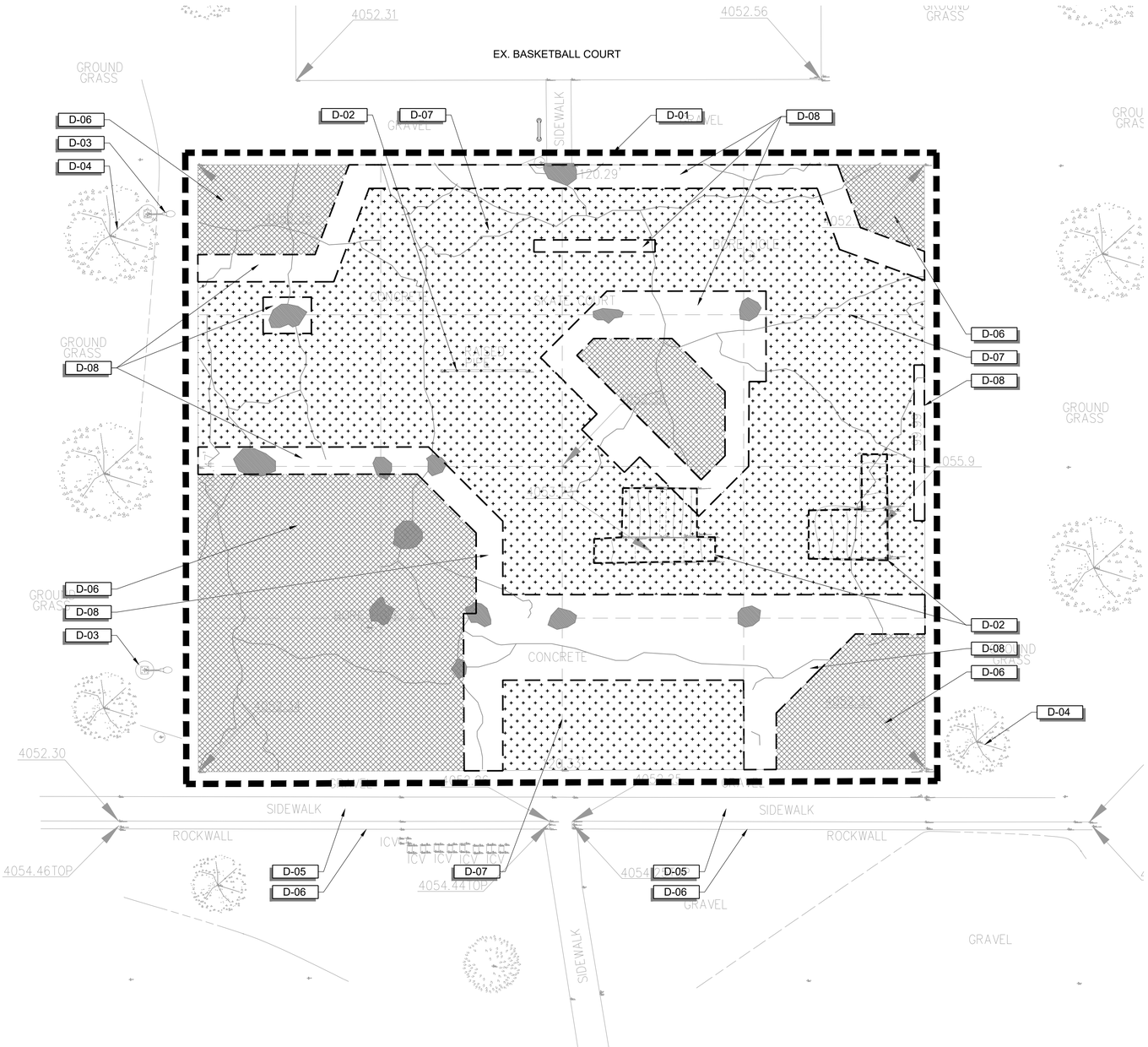
DATE	REVISION

SHEET TITLE:
ESTRELLA PARK OVERALL SITE PLAN

PHASE: BID SET ~~PERMIT~~

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPE0.00



SKATE PARK DEMOLITION LEGEND

SYMBOL	DESCRIPTION
D-01	LIMIT OF WORK. SKATE PARK CONTRACTOR TO COORDINATE CONSTRUCTION FENCE, STAGING, AND ACCESS WITH CITY.
D-02	EX. SKATE PARK RAMP, RAIL, AND POST TO BE REMOVED. CONTRACTOR TO ENSURE CONCRETE IS REPAIRED AND SMOOTH, VOID OF ANY HOLES OR RIDGES UPON REMOVAL OF EX. FEATURES. CONTRACTOR TO PATCH HOLES , REPAIR CRACKS / SPALLS, AND / OR RESTORE JOINTS UPON DIRECTION OF SKATE PARK DESIGNER.
D-03	EX. LIGHT POST TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
D-04	EX. ROCKWALL TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
D-05	(NOT USED)
D-06	JOINTS, CRACKS AND SPALLING AT EXISTING CONCRETE SLAB NOT REQUIRING REPAIR.
D-07	EXTENT OF JOINTING AND CRACK REPAIR REQUIRED AT EXISTING CONCRETE SLAB. AT A MINIMUM, CONTRACTOR TO REMOVE ALL EXISTING CAULKING, CLEAN JOINTS AND RE-CAULK . REFER TO SPE1.06 FOR CRACKING REPAIR PLAN AND DETAILS.
D-08	EXTENT OF CONCRETE DEMOLITION

BID ALT. DEMOLITION NOTES

1. REFER TO SPE1.01 FOR BASE BID & BID ALTERNATE NOTE.
2. BID ALT. # 2 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS AND DEMOLITION OF ENTIRE ± 12,070 S.F. EX, CONCRETE SLAB.

DEMOLITION NOTES

1. CLEAR AND GRUB PROJECT SITE PRIOR TO CONSTRUCTION AS SPECIFIED IN THIS PLAN, AND AS NEEDED TO COMPLETE AND PROPER PREPARATION OF THE SITE.
2. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
3. TRAFFIC: CONDUCT SITE PREPARATION WORK TO ENSURE MINIMUM INTERFERENCE WITH EXISTING ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT EXISTING STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. COMPLETE THE CLEARING AND SITE PREPARATION WORK BEFORE STARTING EARTHWORK, ERECT TEMPORARY BARRICADES, ENCLOSURES AND PROTECTION OF ADJACENT PROPERTY AND EXISTING WORK BEFORE STARTING SITE CLEARING WORK.
5. INSPECT AND REVIEW THE PROJECT SITE TO DETERMINE EXISTING CONDITIONS WHICH AFFECT CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN ON THIS PLAN OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
6. PROTECTION OF EXISTING TREES AND VEGETATION (IF APPLICABLE) : PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO REMAIN.
7. SITE CLEARING: CLEAR THE PROJECT SITE OF EXISTING SITE MATERIALS AND MISCELLANEOUS DEBRIS WITHIN THE LIMITS OF WORK. DISPOSE MATERIALS FROM THE CLEARING OPERATION OFF-SITE TO A LEGAL DISPOSAL AREA.
8. PROTECTION OR PERSONS AND PROPERTY: CONTRACTOR TO PROVIDE A SIX FOOT TEMPORARY CHAIN LINK CONSTRUCTION FENCE, GATE AND CONSTRUCTION SIGNS AROUND LIMIT OF WORK DURING CONSTRUCTION. LOCATION OF FENCING SHALL BE APPROVED BY THE RESIDENT ENGINEER. STABILIZE TEMPORARY FENCE WITH SAND BAGS OR OTHER CITY APPROVED METHOD.
9. UTILITIES: CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES AND AGENCIES AS REQUIRED. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
10. IRRIGATION: BEFORE DEMOLITION, CONTRACTOR IS RESPONSIBLE TO: (A) VERIFY THE LOCATION OF ALL IRRIGATION MAINLINE, ELECTRIC WIRES AND VALVES, CAP AND LABEL MAINLINE AND ELECTRIC WIRES FOR FUTURE USE. (B) ANY ACTIVE IRRIGATION VALVE NEEDS TO BE RELOCATED AND RECONNECTED TO WATER SOURCE AND TO THE EXISTING IRRIGATION CONTROLLER TO INSURE PROPER IRRIGATION TO ALL SURROUNDING LANDSCAPE AREAS.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS, INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH OWNERS REPRESENTATIVE AND CITY.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PRESERVE ALL PERMANENT REFERENCE POINTS DURING CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT Mark van der Vaart 2553
2023.03.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK EX. CONDITIONS / DEMO PLAN

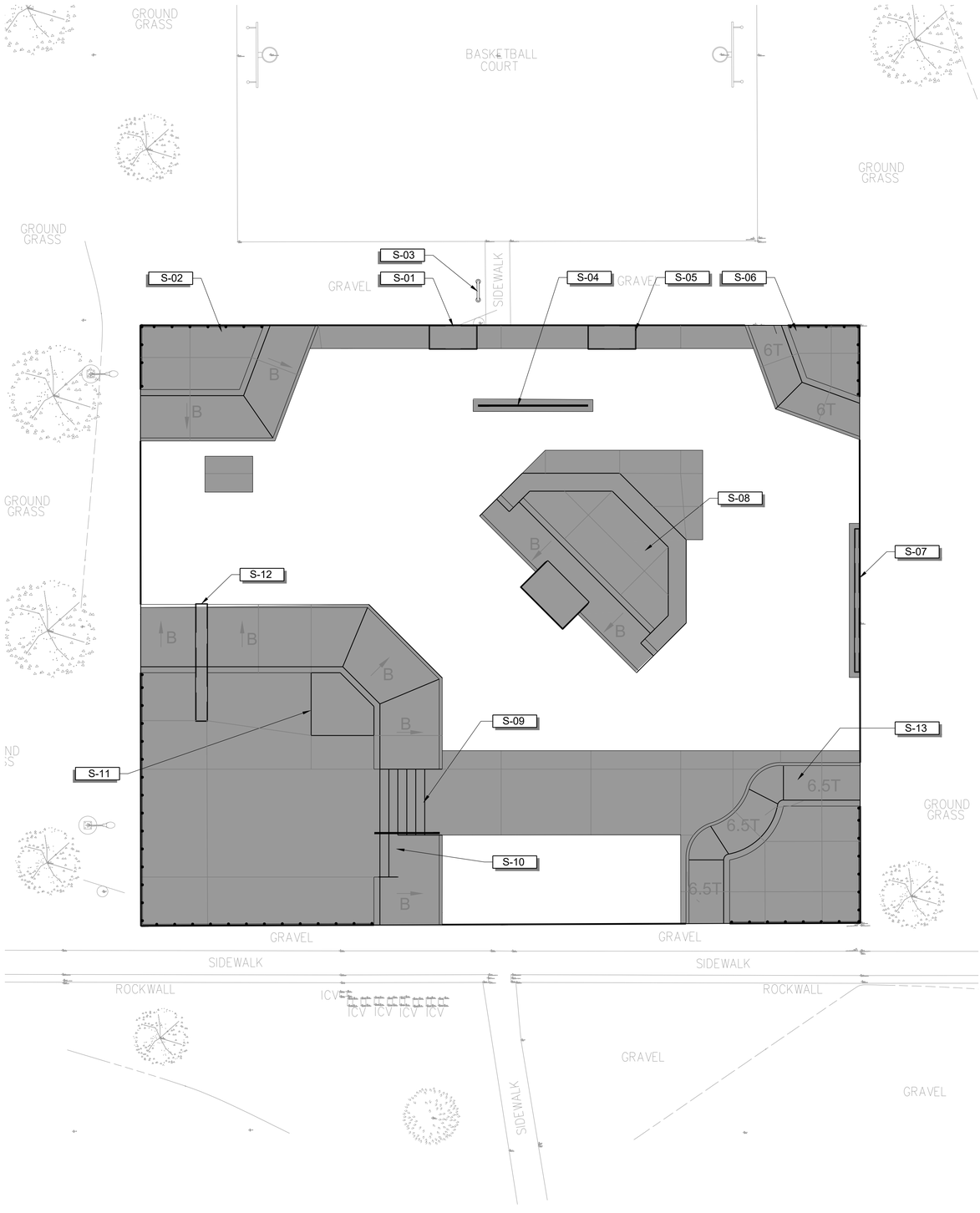
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE1.00



SKATE PARK FEATURE LEGEND

SYMBOL	DESCRIPTION
S-01	14" HIGH LEDGE
S-02	3' HIGH BANKED HIP
S-03	SKATE PARK RULES AND REGULATIONS SIGN, 1 TOTAL. (NOT INCLUDED IN SKATE PARK SCOPE OF WORK. SIGN VERBIAGE TO BE SELECTED BY OWNER.)
S-04	14" HIGH FLAT BAR
S-05	16" HIGH LEDGE
S-06	3' HIGH HIPPED QUARTER PIPE
S-07	SLAPPY CURB
S-08	CENTRAL PLANTER WITH BANK / MANUAL PAD COMBO AND LEDGE (IRRIGATION AND PLANT MATERIALS NOT INCLUDED IN SCOPE OF WORK)
S-09	3' HIGH BANK WITH 6-STAIR SET & HANDRAIL
S-10	STEP-UP
S-11	BANK TO MANUAL PAD / LEDGE
S-12	UP-DOWN HUBBA
S-13	HIPPED QUARTER PIPE WITH RADIAL POCKET
T	RADIUS OF WALL, REFER TO SKATE PARK SECTIONS
B	BANK / EMBANKMENT WALL WITH SLOPE AND/OR RADIUS AT BASE, REFER TO SKATE PARK SECTIONS
	BASE BID NEW CONCRETE FEATURES. SEE SPE1.06 FOR EXTENT OF CONCRETE REPAIRS. NOTE: BID ALT. # 2 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS, DEMOLITION OF ENTIRE EX. CONCRETE SLAB, AND INSTALLATION OF NEW TOP DECK.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Zalm
2553
STATE OF TEXAS
2023.03.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK FEATURE PLAN

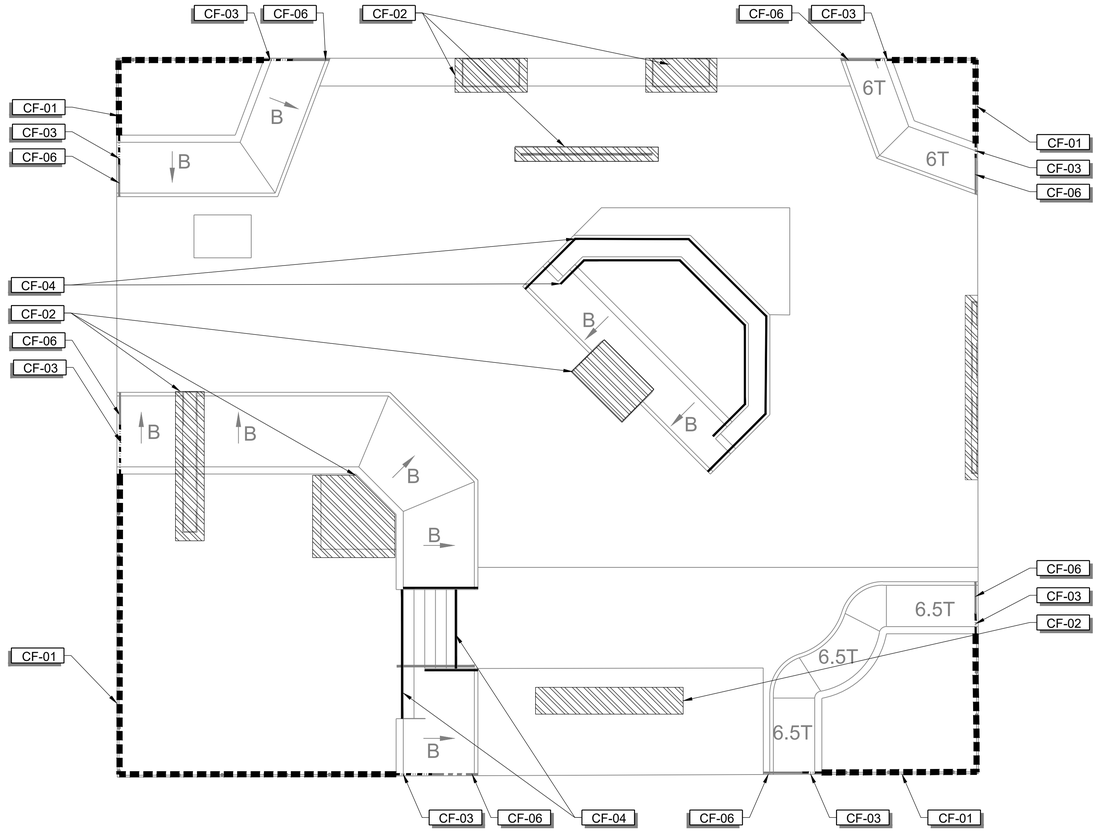
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE1.01



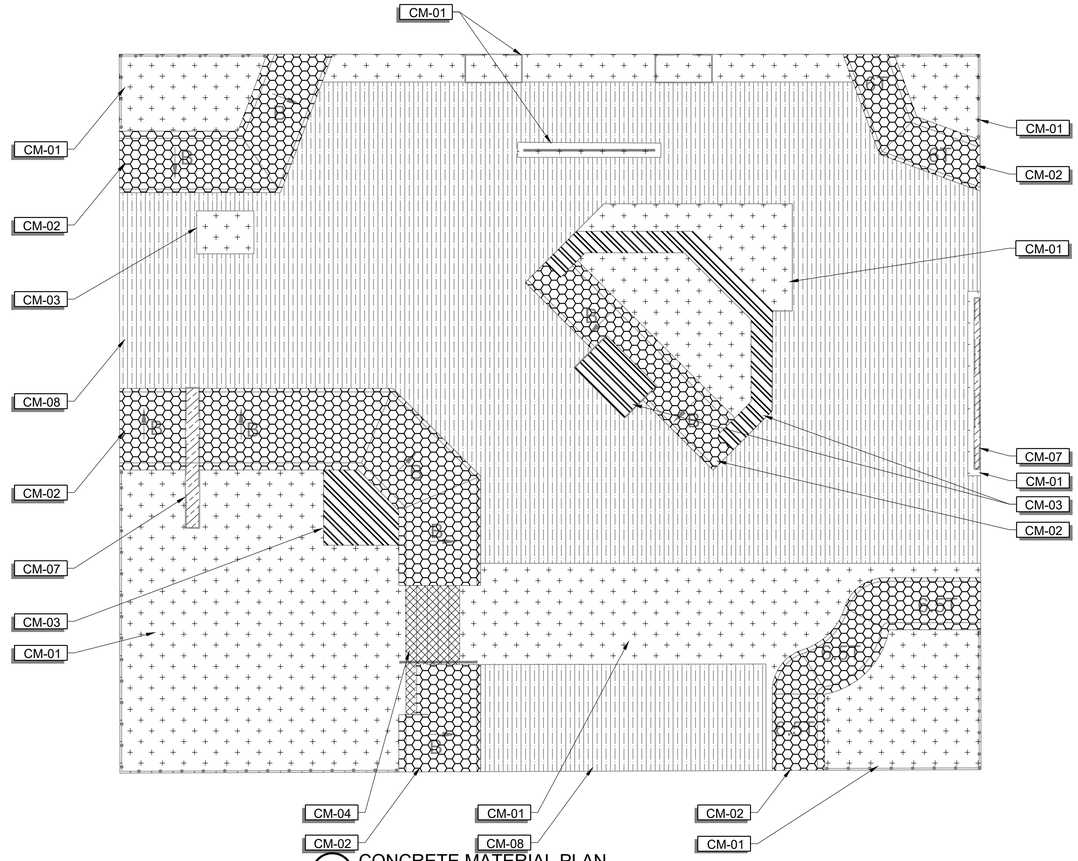
A CONCRETE FOUNDATION AND WALL PLAN

CONCRETE FOUNDATION & WALL LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CF-01	TURNDOWN WALL TIED TO EX. SLAB (10" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	07/SP5.05
CF-02	LEDGE / RAIL FOUNDATION - THICKENED TOP DECK, BANK, OR STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 01-04/SP5.05
CF-03	TURNDOWN WALL TIED TO EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03-04/SP5.04
CF-04	TURNDOWN WALL ON THICKENED TOP DECK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.05
CF-05	TURNDOWN WALL ON EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.04
CF-05	TURNDOWN WALL ON EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06/SP5.04

CONCRETE MATERIAL NOTES

1. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
2. CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
3. CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
4. CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
5. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
6. FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
7. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
8. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.



B CONCRETE MATERIAL PLAN

CONCRETE MATERIAL LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CM-01	5" THK. CONCRETE SLAB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01/SP5.01
CM-02	6" THK. SHOTCRETE BOWL / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06-07/SP5.01
CM-03	CAPPED CAST IN PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 08/SP5.02
CM-04	CAST IN PLACE STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03/SP5.02
CM-07	CAST IN PLACE LEDGE (NO CAP)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	
CM-08	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED				01-06/SP1.06

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
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2553
STATE OF TEXAS
2025-08-31

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK CONC. FOUNDATION & MATERIAL PLAN

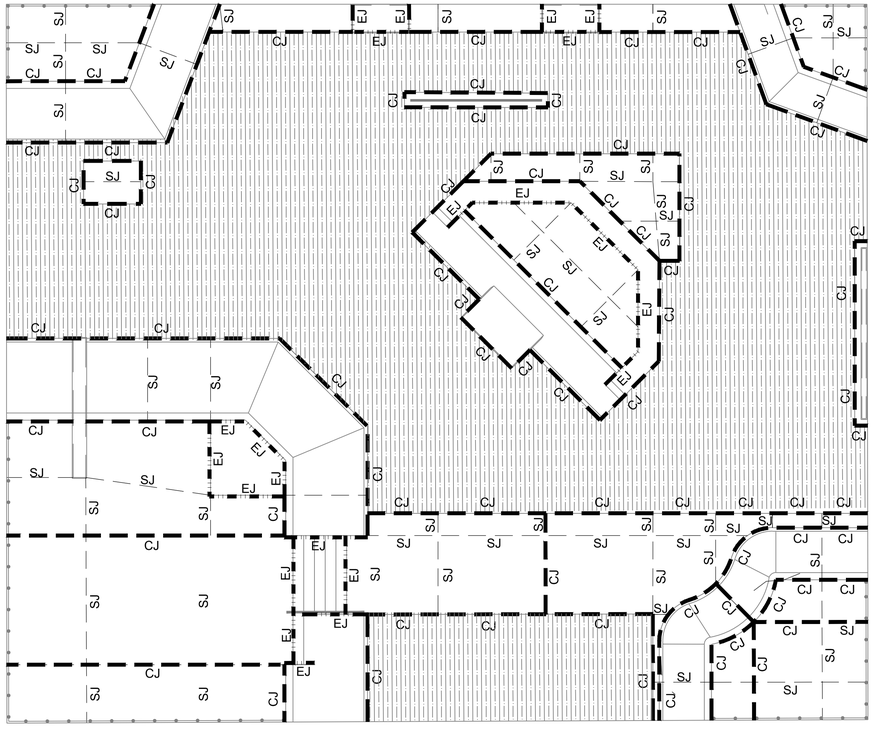
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE1.02



A CONCRETE JOINTING PLAN

CONCRETE JOINTING LEGEND

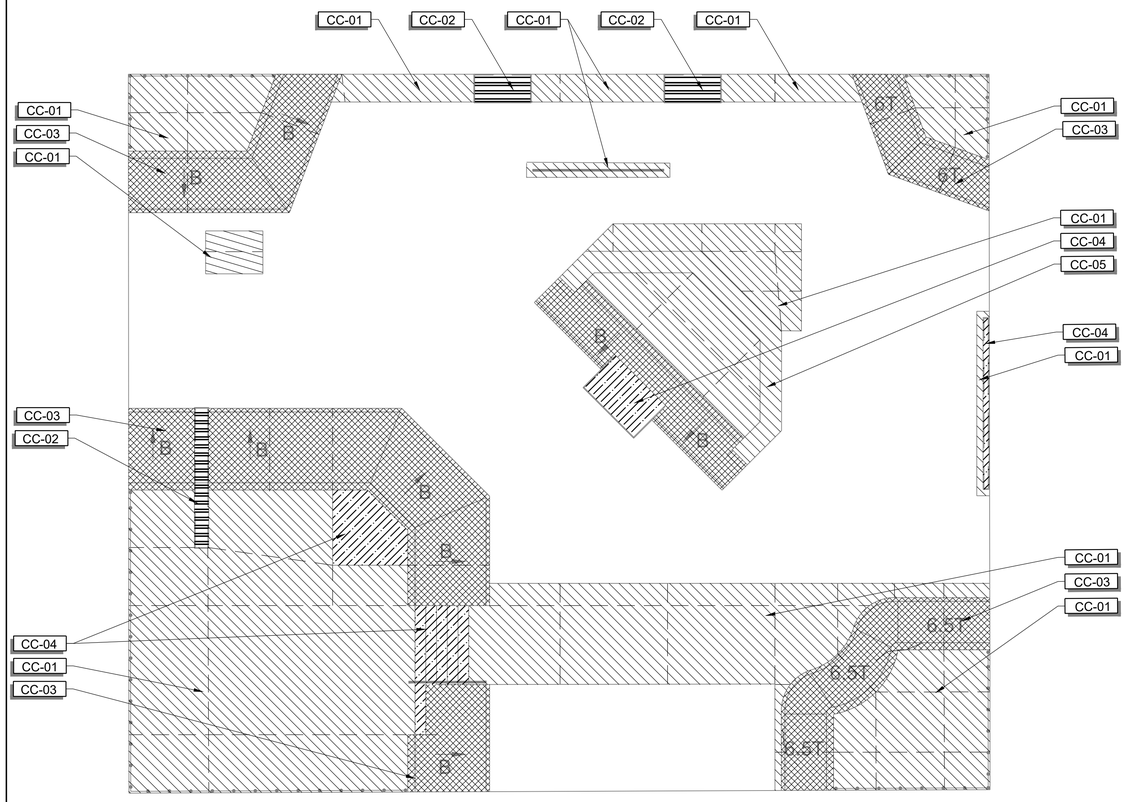
SYMBOL	DESCRIPTION	DETAIL
	CJ - CONSTRUCTION JOINT	02-04,07 /SP5.03
	SJ - SAWCUT JOINT	05/SP5.03
	EJ - EXPANSION JOINT (SEE NOTES 10 & 11)	06/SP5.03
	SCULPTURAL BLEND ZONE PROVIDE CUSTOM CONCRETE BLENDING FOR SMOOTH TRANSITIONS. THESE AREAS TYPICALLY REQUIRE GREATER HAND WORK AND QUALITY CONTROL TO ENSURE THAT BLENDS DO NOT RESULT IN IRREGULAR CONCRETE SURFACE CONDITIONS. THESE AREAS NEED TO BE REVIEWED AND APPROVED AT THE FINE GRADING STAGE, PRIOR TO CONCRETE PLACEMENT, BY THE SKATE PARK DESIGNER.	
	EX. CONCRETE SLAB WITH JOINTS TO BE REPAIRED, SEE SPE1.06	

BID ALT. NOTES

1. REFER TO SPG1.01 FOR BASE BID & BID ALTERNATE NOTE.
2. BID ALT. # 2 TO INCLUDE INSTALLATION OF CONSTRUCTION, SAW CUT, AND EXPANSION JOINTS AT 7260 SF TOP DECK. CONTRACTOR TO COORDINATE WITH SKATE PARK DESIGNER AN ANY ADDITIONAL JOINTING NECESSARY, APART FROM SHOWN ON BASE BID.

CONCRETE JOINTING NOTES

1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".



B CONCRETE COLOR PLAN

CONCRETE COLOR LEGEND

SYMBOL	DESCRIPTION
CC-01	NATURAL GRAY
CC-02	CANTILEVERED LEDGE CAP - PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR (OR APPROVED EQUAL) LEDGE BASE - NATURAL GRAY
CC-03	GRAPHITE / DAVIS COLORS 8084 (OR APPROVED EQUAL), INTEGRAL COLOR
CC-04	PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR

COLORED CONCRETE CURING NOTES

1. CONTRACTOR TO ENSURE THAT COLORED CONCRETE IS CURED AND SEALED AFTER EACH POUR PRIOR TO POURING ADJACENT COLORED CONCRETE SURFACES TO AVOID BLEEDING AND DUSTING.
2. COLORED CONCRETE SHALL BE CURED WITH AN APPROVED CURING AID. CONTRACTOR TO SUBMIT CURING AID PRODUCT SPECIFICATION TO CLIENT REPRESENTATIVE FOR APPROVAL.

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mary Van der Wiel
2553
STATE OF TEXAS
2025-05-02

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK CONC. JOINTING & COLOR PLAN

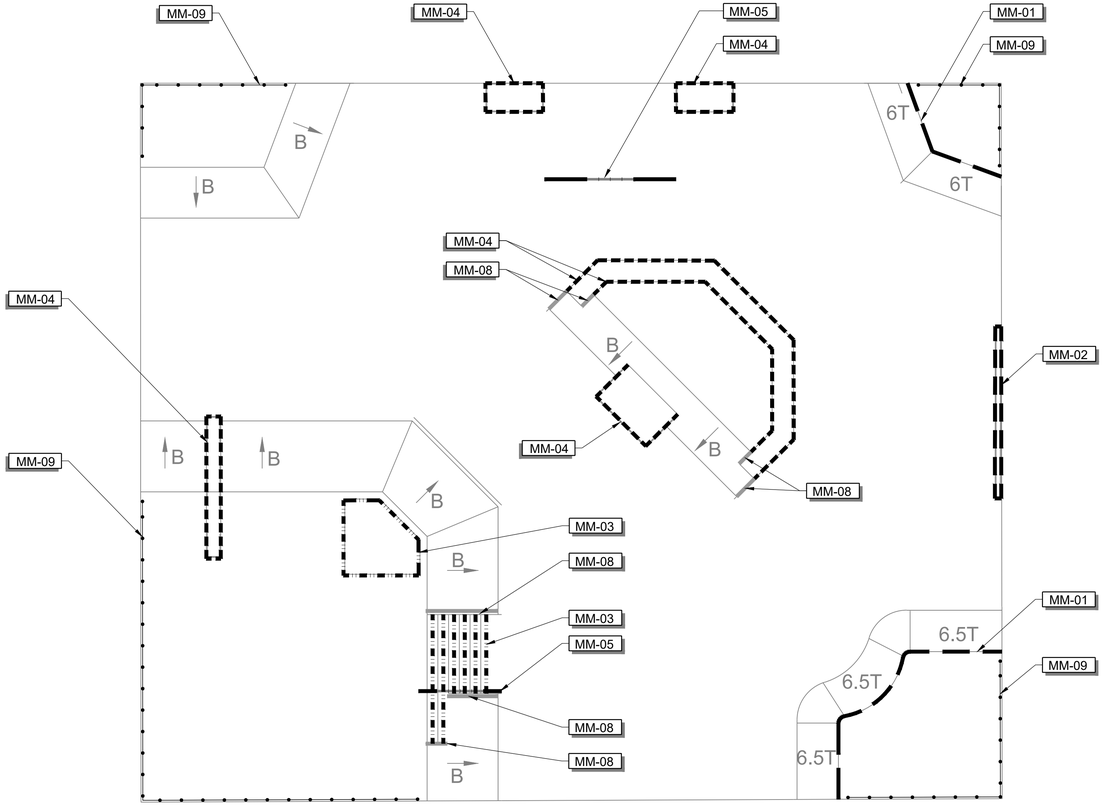
PHASE: BID SET

PROJECT NUMBER: 2022-21

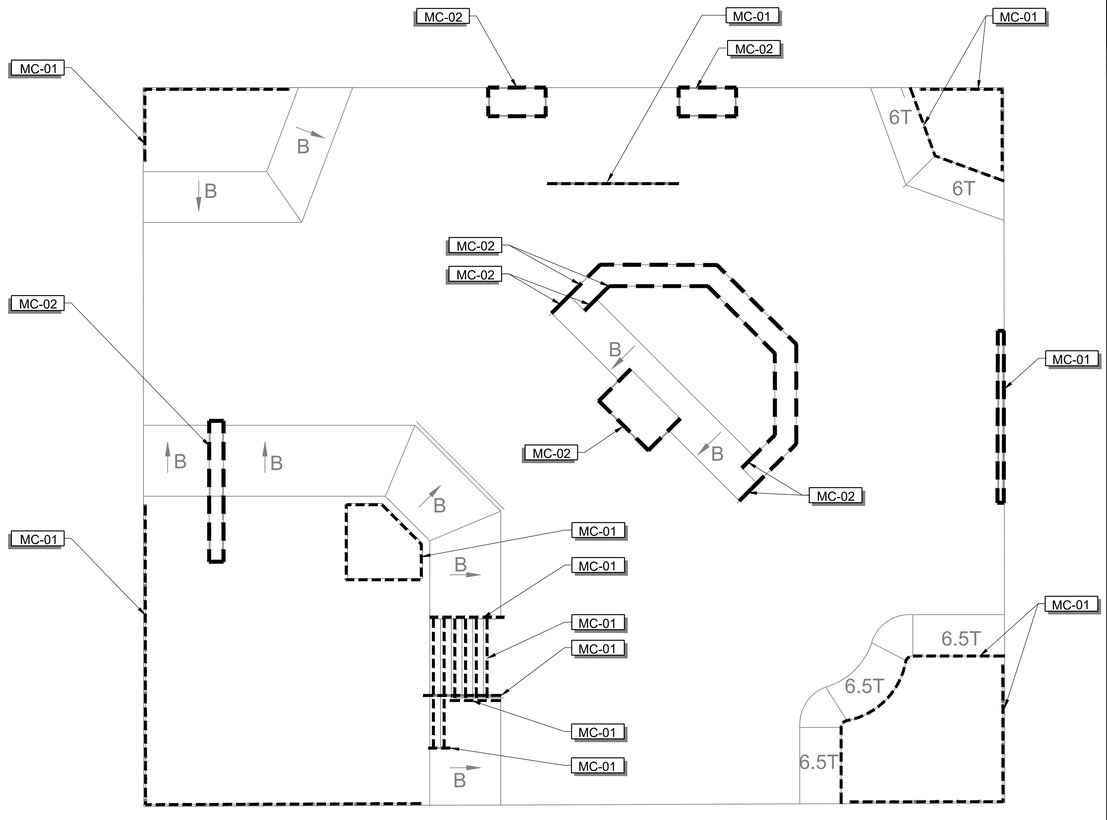
DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE1.03



A METAL MATERIALS PLAN



B MATERIAL COLOR PLAN

METAL MATERIAL LEGEND

SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	DETAIL
MM-01	2-3/8" O.D. ROUND STEEL PIPE COPING		04/SP5.06
MM-02	1/4" THK. CUSTOM FABRICATED ANGLED PLATE EDGING		06/SP5.06
MM-03	6" x 1/4" x 1-7/8" C-CHANNEL EDGING (FLUSH)	C6X8.2 - 2.00" x 6.00" x 0.1875"	07/SP5.02
MM-04	6" x 1/4" x 1-7/8" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS (AT CANTILEVERED LEDGE CAPS)	C6X8.2 - 2.00" x 6.00" x 0.1875"	05/SP5.02
MM-05	2-3/8" O.D. ROUND PIPE TOP RAIL & 2"X6" SQUARE PIPE SUPPORT, AND CUSTOM CUT 2"X6" POSTS.		01-03/SP5.05
MM-08	CUSTOM CUT FLAT PLATE STEEL		04/SP5.02
MM-09	SAFETY GUARDRAIL		06/SP5.05

METAL MATERIAL NOTES

1. ALL METAL FABRICATION SIZES ARE NOMINAL.
2. ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. REFER TO SKATE PARK COLOR PLAN FOR PAINT COLORS IF PRIMING AND PAINTING.
3. QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED, THE REFERENCED STANDARDS, THE REQUIREMENTS OF THIS WORK, AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
4. WELDS NECESSARY TO CONNECT ALL COPING AND METAL FABRICATION SHOULD BE DONE BY CERTIFIED WELDER, GROUND SMOOTH, DE-BURRED AND COATED PER SPECIFICATIONS.
5. PROTECT ALL FINISH WORK ADJACENT TO METAL FABRICATION EFFORTS TO PREVENT ANY STAINING.
6. SAMPLES: REQUIRED FOR ALL COPING, RAILS, FENCING AND EDGING OF SKATE PARK. SUBMIT FINISH METAL SAMPLES FOR FINAL FINISH REQUIRED PRIOR TO DELIVERY TO SITE.
7. STEEL COPING: ROLL PIPE TO CONFORM WITH HORIZONTAL CONTROL RADII AT CENTERLINE OF PIPE.
8. CONTRACTOR SHALL REFER TO DETAIL ON 7/SP5.06 FOR COPING SUPPORT. SUBMIT DETAIL ALONG WITH SHOP DRAWINGS IF USING A DIFFERENT COPING SUPPORT PRIOR TO FABRICATION.
9. ALL METAL EDGING TO HAVE END CAPS WHERE EXPOSED TO CONCRETE.

METAL COLOR / FINISH LEGEND

SYMBOL	DESCRIPTION
MC-01	PAINT COLOR: BLACK AMS-STD 17038 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS
MC-02	PAINT COLOR: INTERNATIONAL ORANGE AMS-STD 12197 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS

METAL PAINTING NOTES

1. SURFACE PREPARATION OF GALVANIZED SURFACES SHALL BE IN ACCORDANCE WITH SSPC SP16 AND ASTM D6386:
   A. ALL AREAS CONTAINING VISIBLE CONTAMINANTS SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC SP1 SOLVENT CLEANING.
   B. ALL AREAS CONTAINING NON-VISIBLE CONTAMINANTS SHALL BE PRESSURE WASHED CLEAN WITH CHLOR-RID PER MANUFACTURER'S SPECIFICATIONS.
   C. GALVANIZED SURFACES SHALL BE SWEEP-BLASTED TO ACHIEVE A SLIGHT ANGULAR SURFACE PROFILE 1 MIL. MIN. BLAST OF THE GALVANIZING SHALL BE DONE IN SUCH A MANNER AS TO NOT DAMAGE OR REMOVE ANY OF THE GALVANIZING. ANY GALVANIZING THAT IS DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. BLASTED SURFACES SHALL BE CLEAN, DRY, AND FREE OF CORROSION PRODUCTS AT TIME OF APPLICATION OF PAINT.
2. FINISH COAT SHALL BE ACROLON 218, MINIMUM DFT. 2.0 MILS. COLOR OF FINISH COAT SHALL HAVE FEDERAL STANDARD COLOR AS NOTED AND HAVE A SEMI-GLOSS FINISH. APPLICATION OF PAINT SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL SUBMIT PAINTED SAMPLES TO ALDOT AND SKATEPARK DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, GALVANIZING AND PAINTING.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mary Van der Wiel 2553 STATE OF TEXAS
EXPIRES: 08-31-2023

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK METAL MATERIAL & COLOR PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

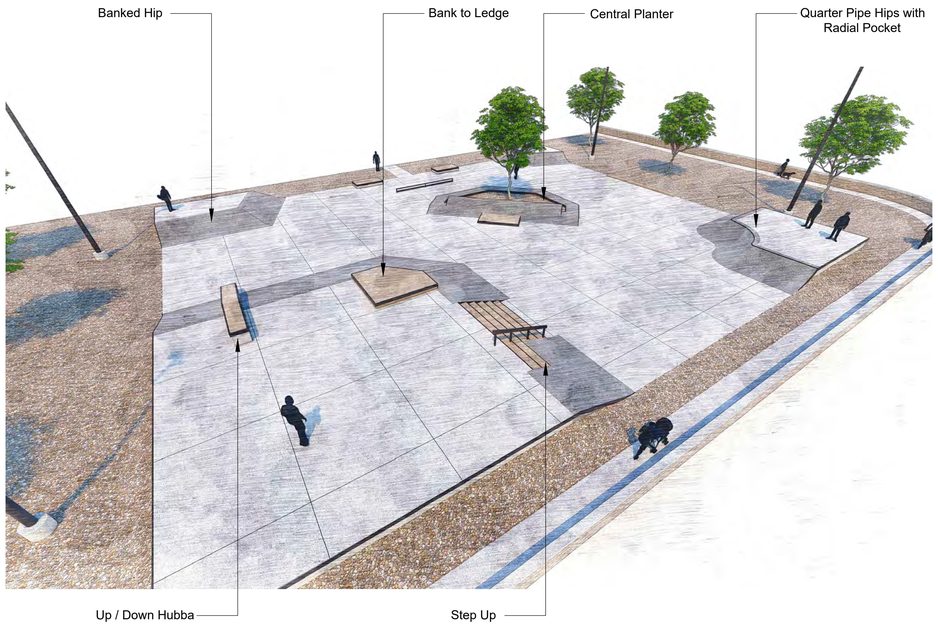
SHEET SIZE: 36x24

SHEET NUMBER: SPE1.04

Note: Not for construction reference.
Alterations will be made to model during detailed design phase
Images are shown to display broader design concept only.
Safety guardrails not shown on model. See Metal Materials Plan for Safety Guardrail locations.

View 1

View 2



View 3

View 4

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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Zalm
2553
STATE OF TEXAS
2023.05.02

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK ARTISTIC RENDERINGS

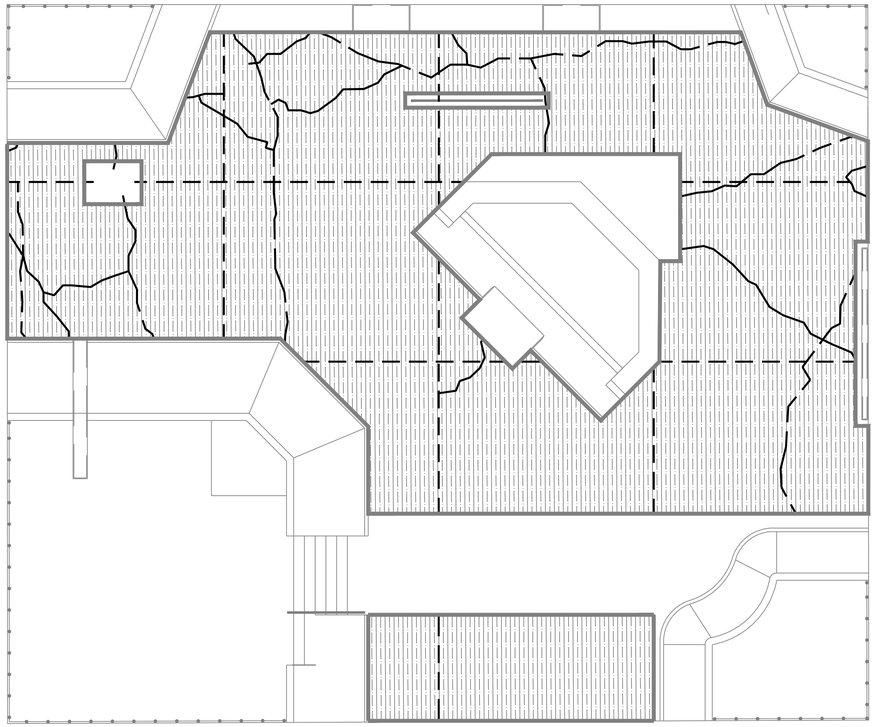
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE1.05



A CONCRETE JOINTING PLAN

CONCRETE CRACKING LEGEND

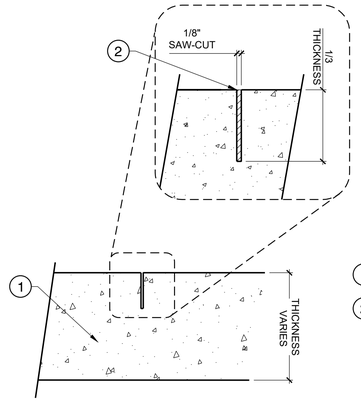
SYMBOL	DESCRIPTION	DETAIL
— —	APPROXIMATE LOCATIONS OF EXISTING LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	02-04,07 /SP5.03
	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	01-06/SPG1.06

NOTES

1. FINAL CONCRETE CRACKING REPAIR EXTENT TO BE COORDINATED WITH EXISTING JOINTS AND VERIFIED IN FIELD.
2. CRACK REPAIR DETAIL TO BE DETERMINED BY SIZE AND NATURE OF CONCRETE FAILURE.

CONCRETE JOINTING NOTES

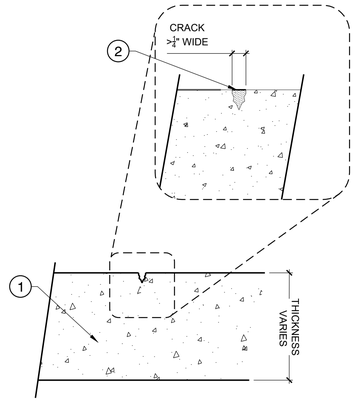
1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".



1. EXISTING TOP DECK OR FLATBOTTOM
2. CHASE THE CRACK WITH A SAWCUT USING A V-GROOVE BIT AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1A OR EQUAL-COLOR TO MATCH CONCRETE

NOTE:
CRACK CHASE REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

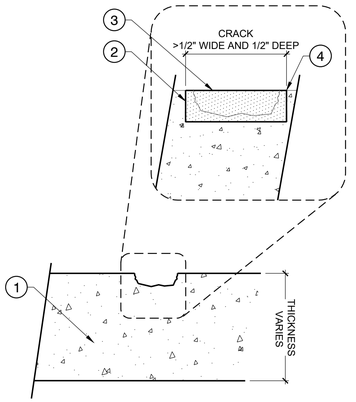
01 LINEAR CRACK CHASE SAW-CUT



1. EXISTING TOP DECK OR FLATBOTTOM
2. CLEAN CRACK VOID OF DUST, DEBRIS, AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH MAPEI PLANITOP X.

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

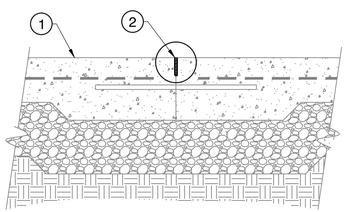
02 MAJOR LINEAR CRACK REPAIR



1. EXISTING TOP DECK
2. SAWCUT RECTANGLE AROUND THE PERIMETER OF CRACKING AREA 2" DEEP AND CHIP OUT CONCRETE
3. FILL WITH CONCRETE, SMOOTH TROWEL FINISH TO MATCH ADJACENT DECK
4. 1/8" TOOLED EDGE ON ALL SIDES

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/2" WIDE AND 1/2" DEEP

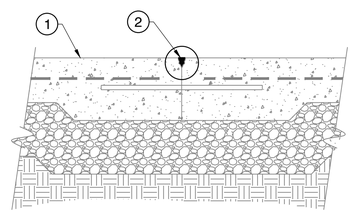
03 FLATWORK NON-LINEAR CRACK/BLOWOUT REPAIR



1. EXISTING SKATEPARK CONCRETE
2. SAWCUT EXISTING COLD JOINT WITH ¼" V-GROOVE BIT AND FILL JOINT WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1C SL OR EQUAL- COLOR TO MATCH CONCRETE

NOTE: MINOR REPAIR CONDITION APPLIED FOR JOINTS OR CRACKS SMALLER THAN OR EQUAL TO ¼" WIDE.

04 SAW-CUT JOINT CLEANING AND REPAIR



1. EXISTING SKATEPARK CONCRETE
2. CLEAN CRACK VOID AND REMOVE ANY LOOSE CONCRETE MATERIAL AROUND CRACK, INSTALL MAPEI PLANITOP X

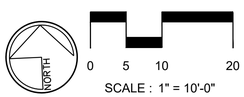
NOTE: MINOR REPAIR CONDITION APPLIED FOR CRACKS OR JOINTS GREATER THAN 1/4" WIDE.

05 MINOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S

06 MAJOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S



SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Zalm
2553
STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

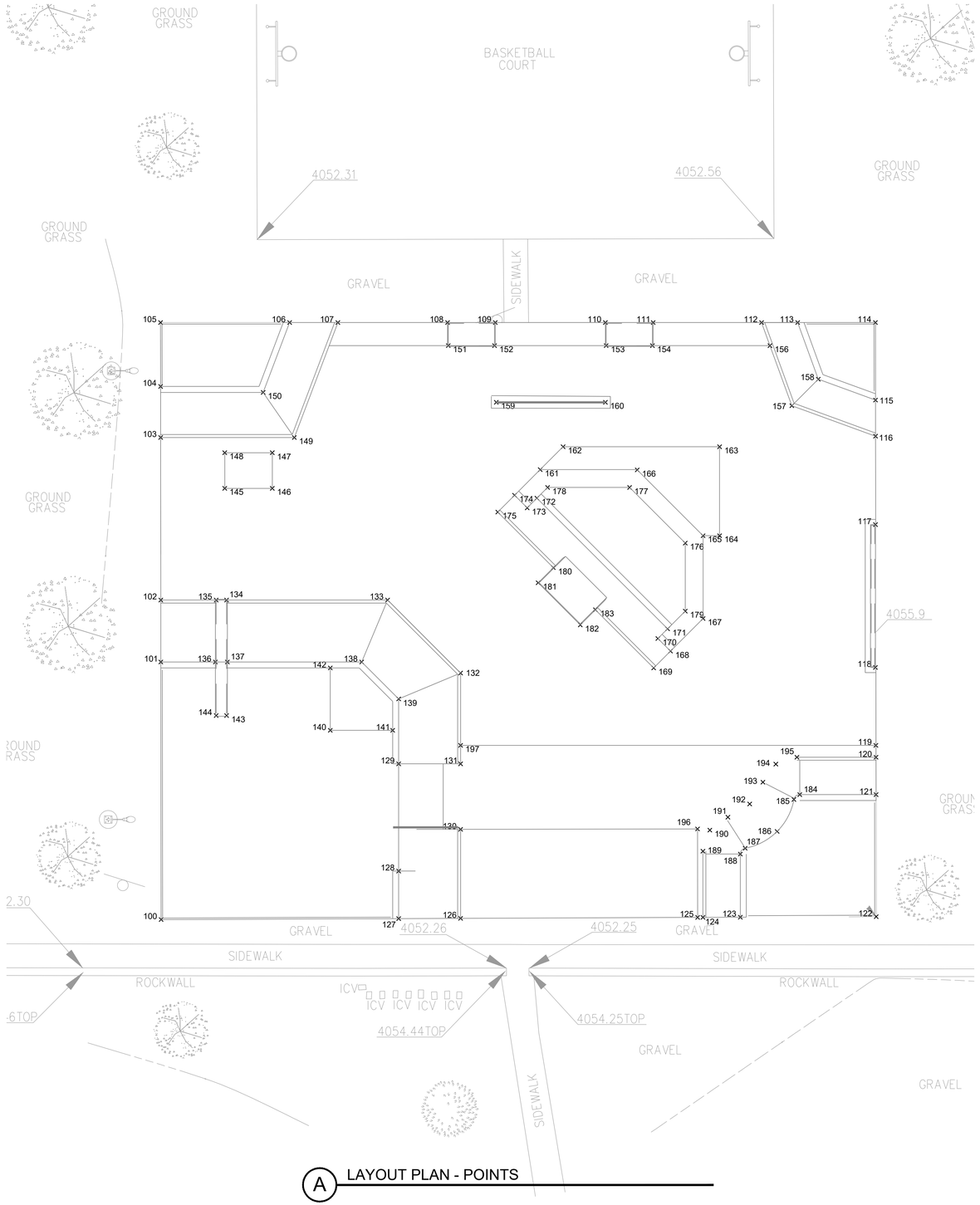
#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK CONC. CRACKING REPAIR PLAN

PHASE:
BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER:
SPE1.06



A LAYOUT PLAN - POINTS

Site Layout Point Table		
Point #	Northing	Easting
100	10665007.01	483827.16
101	10665050.32	483829.01
102	10665060.73	483829.47
103	10665088.06	483830.64
104	10665096.65	483831.01
105	10665107.39	483831.48
106	10665106.44	483853.17
107	10665106.08	483861.28
108	10665105.27	483879.72
109	10665104.92	483887.74
110	10665104.10	483906.25
111	10665103.75	483914.28
112	10665102.95	483932.50
113	10665102.68	483938.58
114	10665102.11	483951.64
115	10665089.08	483951.09
116	10665083.01	483950.83
117	10665068.14	483950.16
118	10665044.13	483949.10
119	10665031.02	483948.60

Site Layout Point Table		
Point #	Northing	Easting
120	10665029.02	483948.53
121	10665022.74	483948.27
122	10665002.21	483947.39
123	10665003.12	483924.54
124	10665003.37	483918.25
125	10665003.41	483917.37
126	10665005.00	483877.51
127	10665005.41	483867.10
128	10665013.41	483867.45
129	10665031.44	483868.24
130	10665019.96	483878.17
131	10665030.98	483878.65
132	10665046.25	483879.32
133	10665059.06	483867.59
134	10665060.25	483840.53
135	10665060.32	483838.77
136	10665049.92	483838.19
137	10665049.83	483840.19
138	10665048.84	483862.78
139	10665042.35	483868.72

Site Layout Point Table		
Point #	Northing	Easting
140	10665037.58	483857.00
141	10665037.12	483867.49
142	10665048.07	483857.46
143	10665040.82	483839.67
144	10665040.90	483837.92
145	10665079.04	483841.04
146	10665078.68	483849.03
147	10665084.68	483849.30
148	10665085.03	483841.31
149	10665087.07	483853.11
150	10665094.89	483848.21
151	10665101.38	483879.67
152	10665101.04	483887.45
153	10665100.22	483906.21
154	10665099.87	483913.99
156	10665099.00	483933.75
157	10665088.75	483936.98
158	10665093.00	483941.63
159	10665091.50	483887.32
160	10665090.69	483905.67

Site Layout Point Table		
Point #	Northing	Easting
161	10665079.86	483894.21
162	10665083.54	483898.22
163	10665082.38	483924.53
164	10665067.42	483923.87
165	10665067.54	483921.10
166	10665079.09	483910.52
167	10665053.62	483920.49
168	10665048.38	483914.77
169	10665045.68	483911.81
170	10665050.59	483912.74
171	10665052.16	483914.45
172	10665075.09	483893.44
173	10665073.53	483891.74
174	10665075.74	483889.71
175	10665073.04	483886.76
176	10665066.43	483918.05
177	10665076.20	483909.10
178	10665076.81	483895.32
179	10665054.99	483917.55
180	10665063.28	483895.69

Site Layout Point Table		
Point #	Northing	Easting
181	10665060.84	483893.03
182	10665053.45	483899.80
183	10665055.89	483902.46
184	10665023.30	483935.44
185	10665022.53	483934.43
186	10665017.28	483931.36
187	10665014.69	483925.87
188	10665013.74	483925.01
189	10665014.50	483918.74
190	10665017.99	483920.06
191	10665020.03	483923.19
192	10665022.09	483926.96
193	10665025.66	483929.33
194	10665028.60	483931.64
195	10665029.60	483935.24
196	10665018.28	483918.00
197	10665034.09	483878.79

B TABLE - POINTS

NOTE:

COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark Van der Zwaag 2553 STATE OF TEXAS
2023.05.02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK LAYOUT PLAN

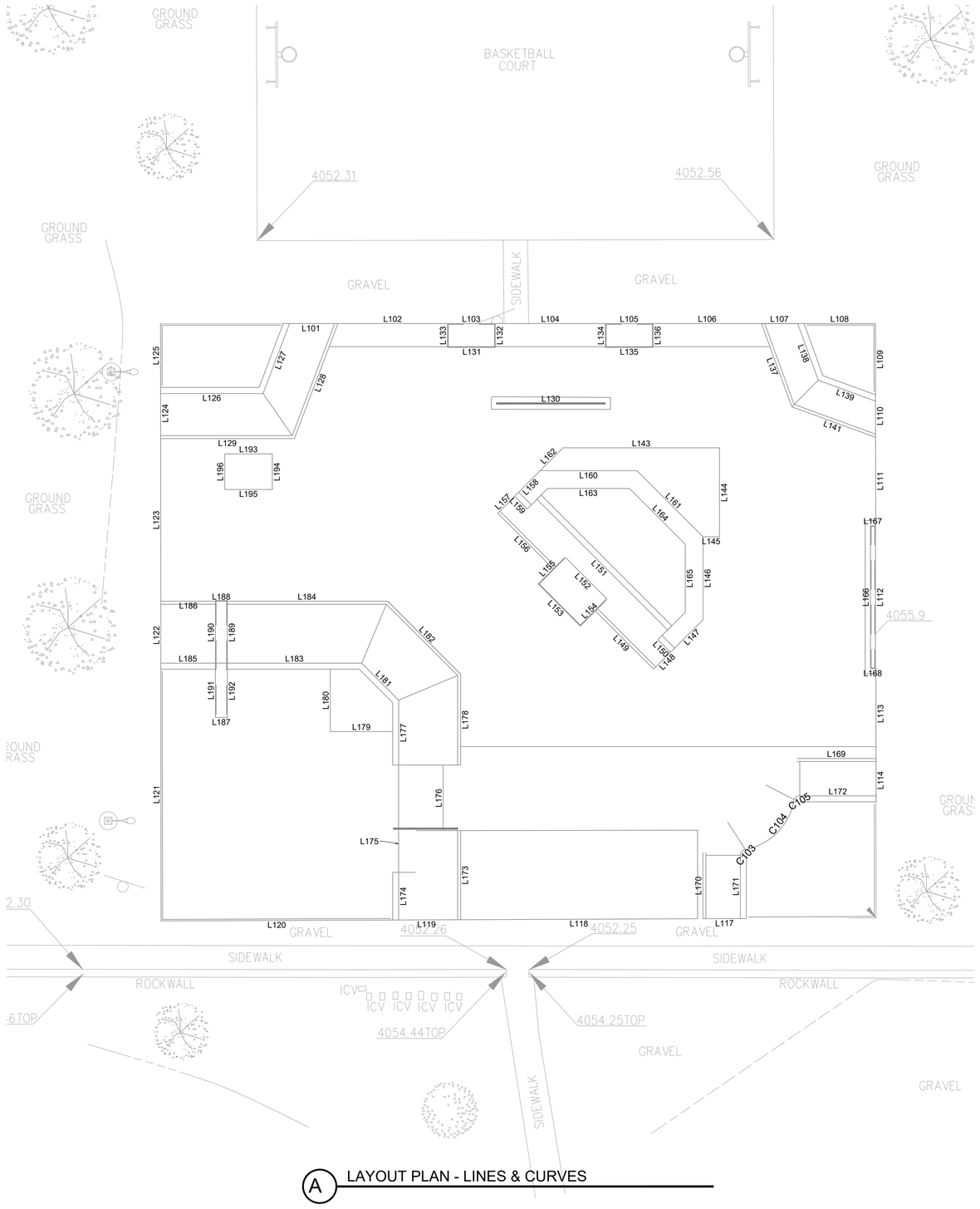
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE2.01



A LAYOUT PLAN - LINES & CURVES

Line Table		
Line #	Length	Direction
L101	9.19	N87° 29' 02.56"W
L102	18.45	S87° 29' 01.81"E
L103	8.04	S87° 29' 04.12"E
L104	18.53	S87° 29' 04.12"E
L105	8.04	S87° 29' 04.14"E
L106	18.24	S87° 28' 59.36"E
L107	6.08	S87° 29' 03.75"E
L108	12.01	S87° 29' 02.57"E
L109	11.98	S02° 26' 09.80"W
L110	7.15	S02° 26' 09.74"W
L111	14.88	S02° 26' 09.69"W
L112	24.03	S02° 31' 33.04"W
L113	15.12	S02° 25' 40.08"W
L114	7.29	S02° 26' 09.74"W
L117	7.29	N87° 42' 52.82"W
L118	39.89	N87° 42' 46.54"W
L119	11.42	N87° 42' 51.19"W
L120	38.97	N87° 42' 45.80"W
L121	42.35	N02° 27' 07.41"E
L122	11.42	N02° 30' 57.06"E

Line Table		
Line #	Length	Direction
L123	27.35	N02° 27' 23.94"E
L124	8.60	S02° 28' 00.98"W
L125	10.75	N02° 27' 32.73"E
L126	17.25	N87° 29' 02.96"W
L127	12.57	S23° 15' 05.63"W
L128	20.69	S23° 15' 05.63"W
L129	22.49	N87° 29' 02.95"W
L130	18.37	S87° 29' 03.22"E
L131	8.04	N87° 28' 30.27"W
L132	4.01	S02° 30' 54.70"W
L133	4.01	N02° 30' 57.06"E
L134	4.01	N02° 30' 57.06"E
L135	8.04	N87° 28' 30.27"W
L136	4.01	S02° 30' 54.70"W
L137	14.89	N17° 29' 05.30"W
L138	10.15	N17° 29' 05.30"W
L139	10.25	N67° 29' 05.30"W
L141	15.00	N67° 29' 05.30"W
L143	26.33	S87° 29' 04.12"E
L144	14.98	S02° 30' 55.88"W

Line Table		
Line #	Length	Direction
L145	2.78	N87° 02' 42.69"W
L146	13.93	S02° 30' 54.70"W
L147	6.76	S47° 30' 54.70"W
L148	5.01	S47° 30' 54.70"W
L149	13.85	N42° 29' 05.30"W
L150	3.00	N42° 29' 05.30"W
L151	31.10	N42° 29' 05.30"W
L152	9.78	N42° 29' 05.30"W
L153	10.03	N42° 29' 05.30"W
L154	5.90	N47° 30' 54.70"E
L155	5.90	N47° 30' 54.70"E
L156	13.22	N42° 29' 05.30"W
L157	4.01	N47° 30' 54.80"E
L158	6.10	S47° 30' 54.62"W
L159	3.00	N42° 29' 05.30"W
L160	16.28	N87° 29' 05.30"W
L161	15.73	S42° 29' 05.30"E
L162	5.44	N47° 30' 54.70"E
L163	13.80	N87° 29' 05.30"W
L164	13.25	S42° 29' 05.30"E

Line Table		
Line #	Length	Direction
L165	11.45	S02° 30' 54.70"W
L166	24.03	N02° 31' 33.04"E
L167	0.84	S87° 28' 58.50"E
L168	0.84	N87° 28' 58.50"W
L169	13.31	S87° 29' 04.12"E
L170	11.13	N02° 30' 55.88"E
L171	10.63	N02° 30' 55.88"E
L172	12.84	S87° 29' 04.12"E
L173	14.98	S02° 30' 59.41"W
L174	8.00	S02° 30' 59.56"W
L175	18.05	N02° 30' 55.88"E
L176	11.03	N02° 30' 55.06"E
L177	10.92	S02° 30' 59.80"W
L178	15.28	S02° 30' 59.24"W
L179	10.50	S87° 29' 00.20"E
L180	10.50	N02° 30' 55.22"E
L181	8.80	S42° 29' 02.94"E
L182	17.37	S42° 29' 02.94"E
L183	22.61	S87° 29' 04.12"E
L184	27.09	S87° 29' 02.94"E

Line Table		
Line #	Length	Direction
L185	9.18	S87° 29' 04.12"E
L186	9.31	N87° 29' 04.54"W
L187	2.01	N87° 29' 00.94"E
L188	1.75	S87° 29' 00.94"E
L189	10.72	S02° 30' 59.06"E
L190	10.72	N02° 30' 59.06"E
L191	8.96	N02° 30' 58.98"E
L192	8.96	S02° 30' 58.98"W
L193	8.00	S87° 29' 03.09"E
L194	6.00	S02° 30' 56.91"W
L195	8.00	N87° 29' 02.94"W
L196	6.00	N02° 30' 57.06"E

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C103	1.39	1.00	079.4833	S42° 15' 25.82"W	1.279
C104	12.34	10.25	068.9666	N47° 30' 55.88"E	11.608
C105	1.39	1.00	079.4833	S52° 46' 25.94"W	1.279

B TABLES - LINES & CURVES

NOTE:

COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.

ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zalm 2553 STATE OF TEXAS
2023.05.02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY SAN TEXAS

DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK LAYOUT PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

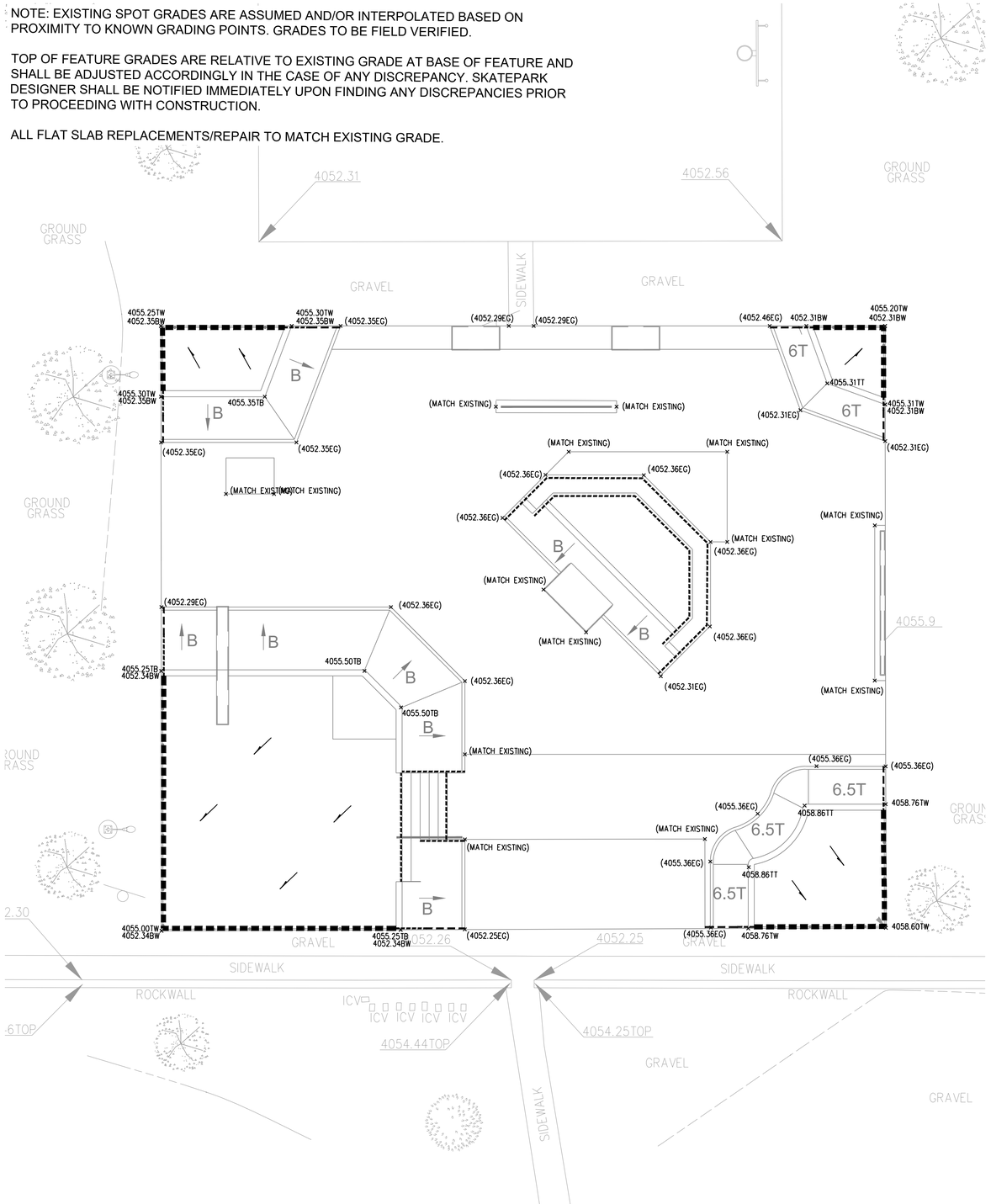
SHEET SIZE: 36x24

SHEET NUMBER: SPE2.02

NOTE: EXISTING SPOT GRADES ARE ASSUMED AND/OR INTERPOLATED BASED ON PROXIMITY TO KNOWN GRADING POINTS. GRADES TO BE FIELD VERIFIED.

TOP OF FEATURE GRADES ARE RELATIVE TO EXISTING GRADE AT BASE OF FEATURE AND SHALL BE ADJUSTED ACCORDINGLY IN THE CASE OF ANY DISCREPANCY. SKATEPARK DESIGNER SHALL BE NOTIFIED IMMEDIATELY UPON FINDING ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.

ALL FLAT SLAB REPLACEMENTS/REPAIR TO MATCH EXISTING GRADE.



SKATE PARK GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
——→	DIRECTION OF SURFACE FLOW
— —	G.B. BREAK IN GRADE
× 688.00BT	PROPOSED SPOT GRADE
× (688.00EG)	MATCH EXISTING GRADE
T	RADIUS OF WALL. REFER TO SECTION SHEETS FOR PROFILE VIEW
B	BANK-EMBANKMENT WALL WITH SLOPE AND RADII AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW.
———	F.L. FLOWLINE IN SWALE
— —	TURNDOWN WALL PER CONCRETE FOUNDATION PLANS, SP1.02

SPOT ELEVATION LEGEND

BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
TB	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TL	TOP OF LEDGE
BL	BOTTOM OF LEDGE
TC	TOP OF CURB
BC	BOTTOM OF CURB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
RIM	RIM OF DRAIN
INV	INVERT
EG	ASSUMED EXISTING GRADE (TO BE FIELD VERIFIED)

SKATE PARK GRADING & DRAINAGE NOTES

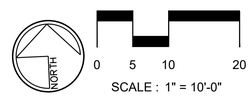
1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK DEISGNER IN THE FIELD.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
5. MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
6. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
7. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
8. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
9. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK DESIGNER.
10. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
11. MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
12. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SKATE PARK SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
13. CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK FOOTPRINT.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT CLIENT'S REPRESENTATIVES AND SKATE PARK DESIGNER.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE CLIENT'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

SITE GRADING NOTE

1. SKATE PARK DRAINAGE PATTERNS TO FOLLOW EX. SLAB GRADES. EXISTING SLABS ARE GENERALLY FLAT WITH NO SLOPE FOR DRAINAGE. THEREFORE, PUDDING / PONDING OR OTHER DRAINAGE ISSUES MAY OCCUR DUE TO EXISTING CONDITIONS AT NO FAULT OF THE PROPOSED SKATEPARK DESIGN.
2. EXISTING GRADE (EG) IS ASSUMED IN LOCATIONS WHERE THERE IS NO SURVEY DATA. THESE ELEVATIONS SHALL BE FIELD LOCATED AND ADJUSTED ACCORDINGLY.



SCALE : 1" = 10'-0"

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EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK GRADING & DRAINAGE PLAN

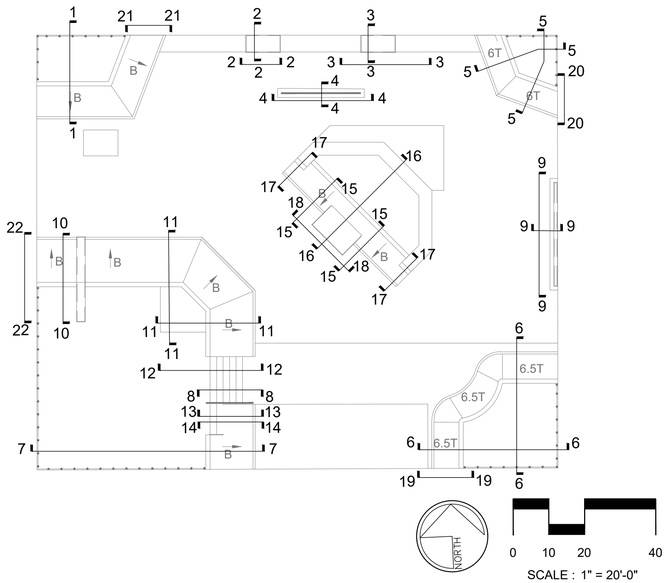
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE3.01



SCALE : 1" = 20'-0"

KEY MAP

CONCRETE GENERAL / SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

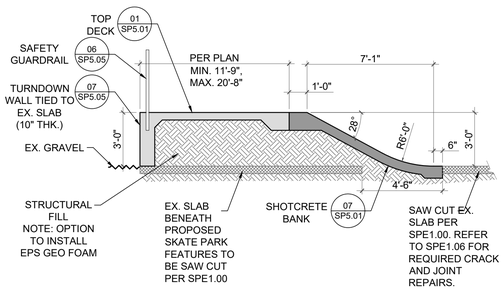
MATERIAL LEGEND

- CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

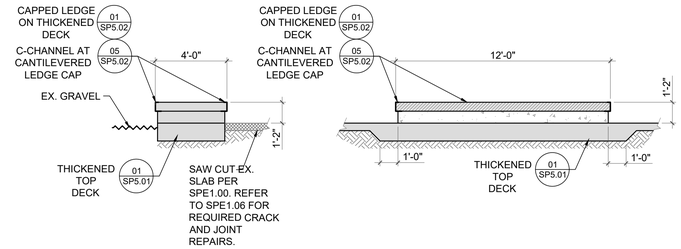
NOTES

GENERAL NOTES

1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
4. FINAL GRADE EARTHWORK AND FORM WORK TO REVIEWED AND APPROVED BY SKATE PARK DESIGN TEAM. SKATE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
5. ALL DIMENSIONS AT BOTTOM OF BOWLS, EMBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
6. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATE PARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATE PARK LAYOUT PLAN.
7. CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.
9. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
10. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.
11. CONTRACTOR TO APPLY ELASTOMERIC WATERPROOFING MEMBRANE AT ALL PLANTER WALLS.
12. REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.



1 SECTION — 0" 1' 2' 4" — SCALE 1/4" = 1'-0"



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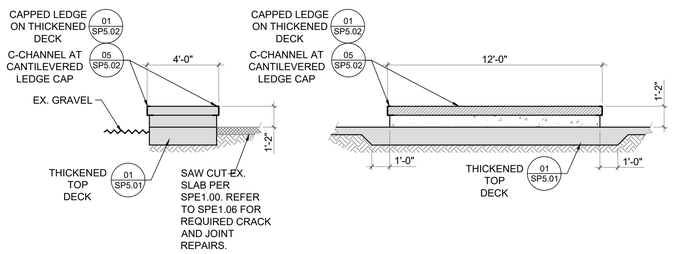

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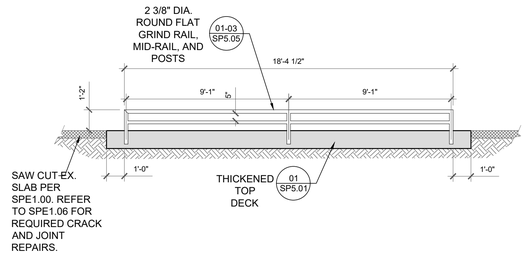

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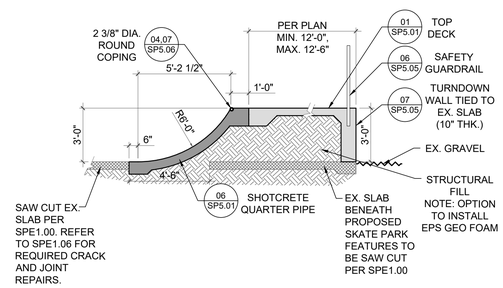

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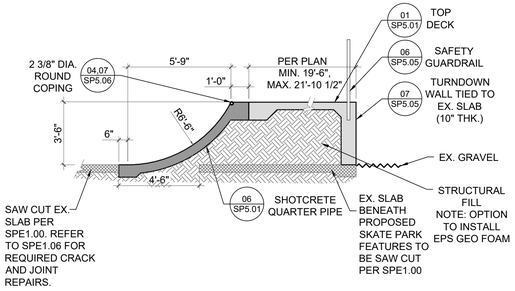

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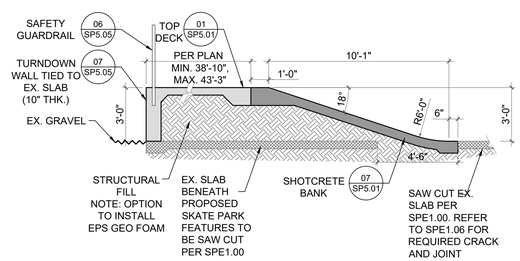
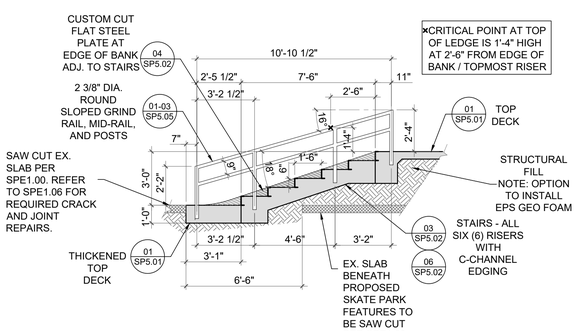


7 SECTION — 0" 1' 2' 4" — SCALE 1/4" = 1'-0"



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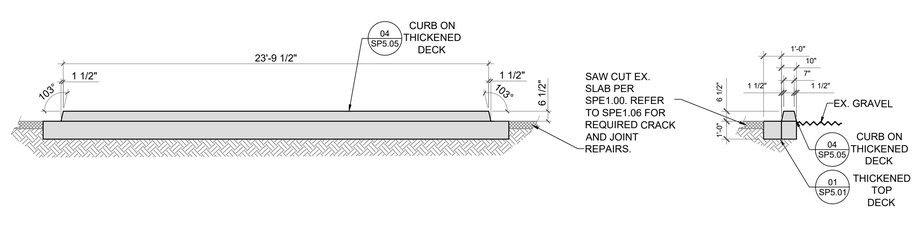

9 SECTION — 0" 1' 2' 4" — SCALE 1/4" = 1'-0"

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STATE OF TEXAS — Mark Van der Merwe — 2553 — REGISTERED LANDSCAPE ARCHITECT
2023-03-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
ESTRELLA SKATE PARK SECTIONS / PROFILES

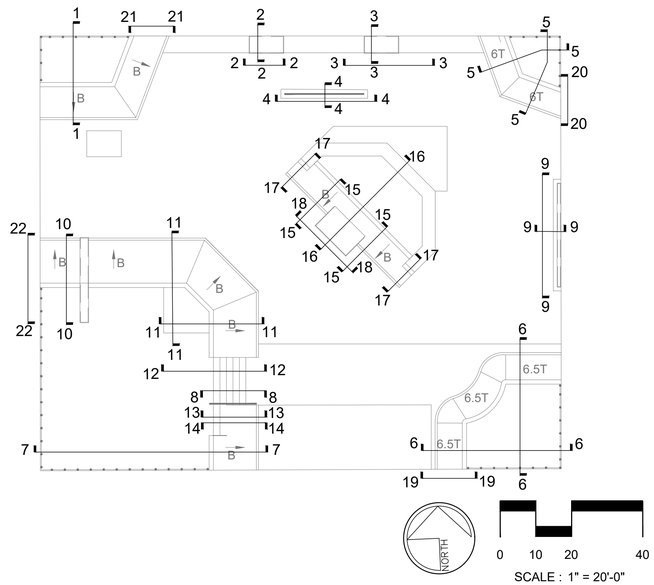
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE4.01



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- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

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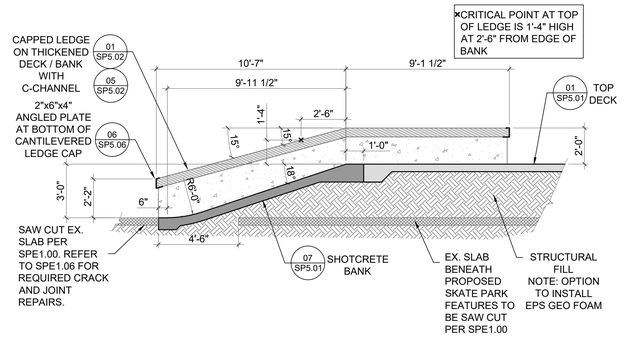
NOTES



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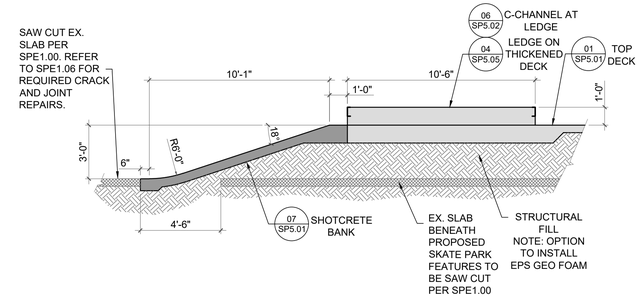

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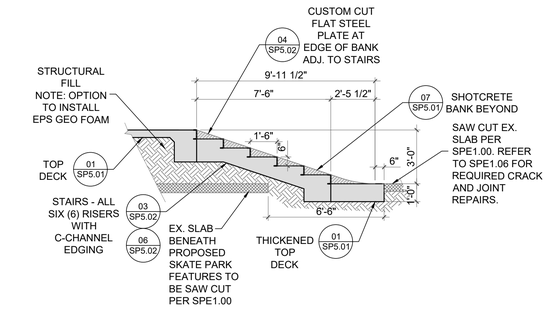

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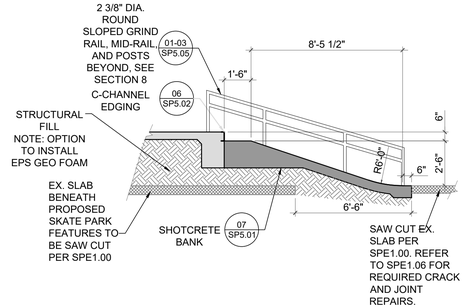

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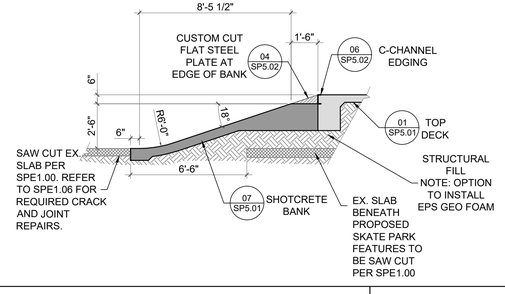

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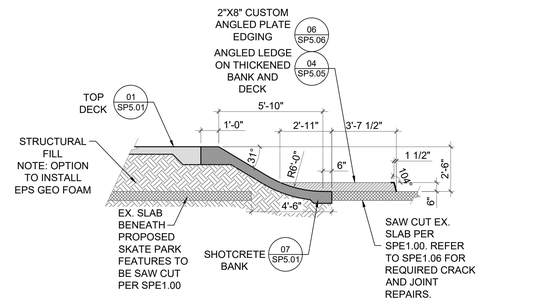

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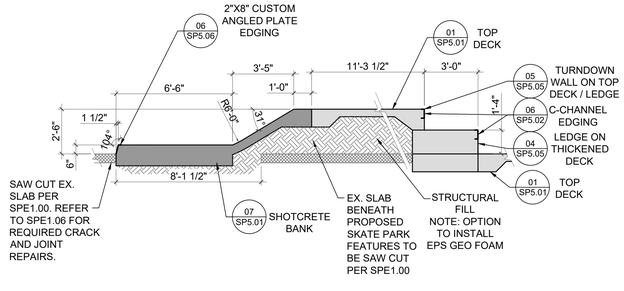

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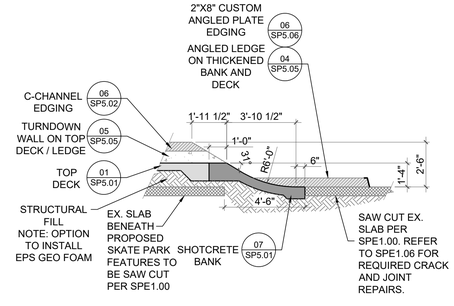
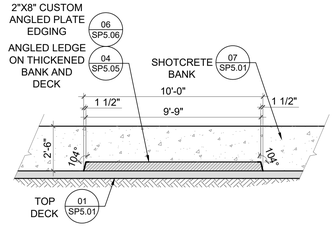


17 SECTION — 0" 1' 2' 4" — SCALE 1/4" = 1'-0"



18 SECTION — 0" 1' 2' 4" — SCALE 1/4" = 1'-0"

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STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT Mark van der Zwaag 2563 2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE: ESTRELLA SKATE PARK SECTIONS / PROFILES

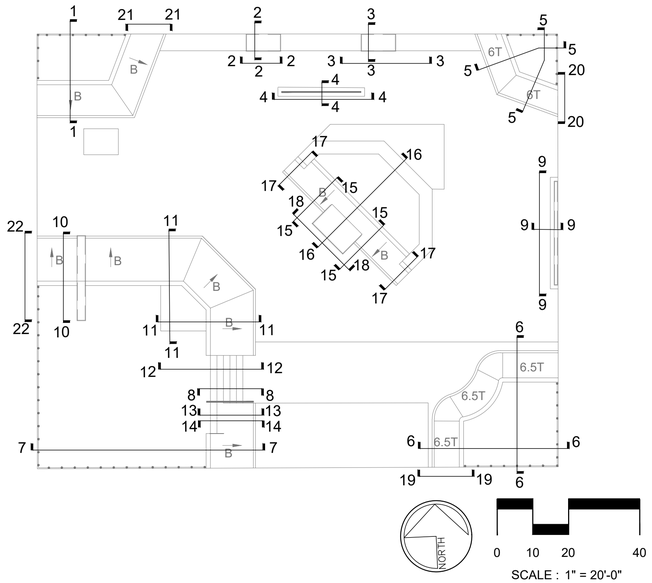
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE4.02



SCALE : 1" = 20'-0"

KEY MAP

CONCRETE GENERAL / SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

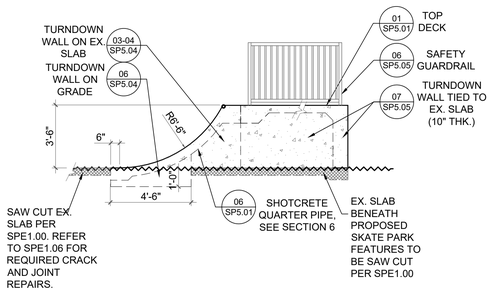
MATERIAL LEGEND

- CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

GENERAL NOTES

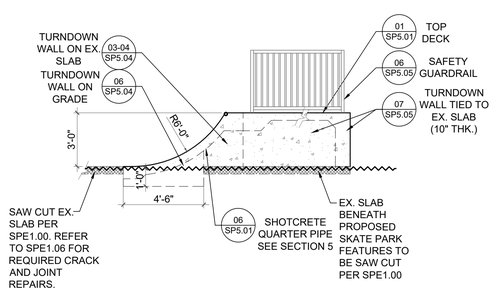
1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
4. FINAL GRADE EARTHWORK AND FORM WORK TO REVIEWED AND APPROVED BY SKATE PARK DESIGN TEAM. SKATE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
5. ALL DIMENSIONS AT BOTTOM OF BOWLS, EMBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
6. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATE PARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATE PARK LAYOUT PLAN.
7. CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.
9. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
10. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.
11. CONTRACTOR TO APPLY ELASTOMERIC WATERPROOFING MEMBRANE AT ALL PLANTER WALLS.
12. REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.

NOTES



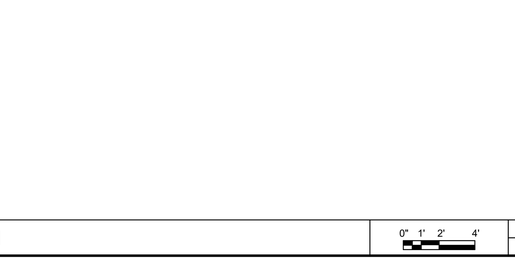
19 SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"



20 SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"



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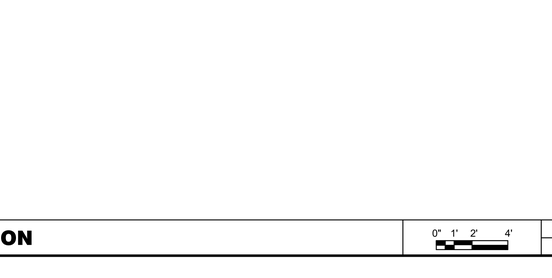

22 SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4' | SCALE 1/4" = 1'-0"

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STATE OF TEXAS — REGISTERED LANDSCAPE ARCHITECT — Mark Van der Kloet — 2553 — 2021-05-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE: ESTRELLA SKATE PARK SECTIONS / PROFILES

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPE4.03

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY THAT ALL SIDEWALKS AND ADA RAMPS WITHIN THE ACCESSIBLE ROUTE BE IN COMPLIANCE WITH T.A.S.
B. CONTRACTOR SHALL PROTECT TREES AT ALL TIMES DURING CONSTRUCTION.
C. CONTRACTOR SHALL REPAIR ANY SIDEWALKS, ROCKWALLS, CURBS, ETC. DAMAGED DURING CONSTRUCTION.

LEGEND

PAINT COLOR TRAFFIC YELLOW, 36" WIDE MIN. ADA ACCESSIBLE ROUTE WITH 4" WIDE DIAGONAL STRIPES @ 16" O.C.

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REGISTERED LANDSCAPE ARCHITECT
Marie van der Zalm
3553
STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

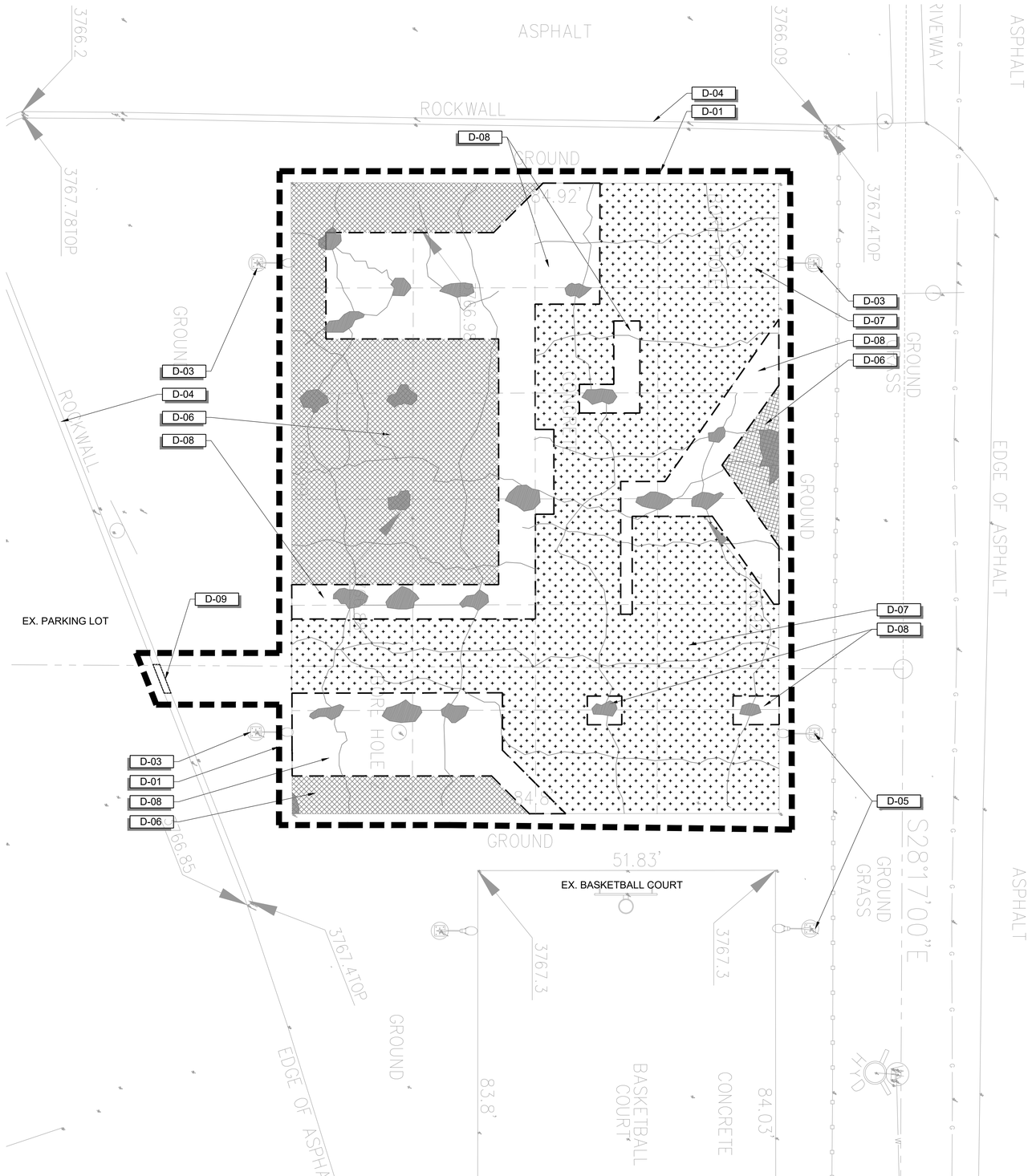
#	DATE	REVISION

SHEET TITLE:
GALLEGOS PARK OVERALL SITE PLAN

PHASE: BID SET
BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPG0.00



SKATE PARK DEMOLITION LEGEND

SYMBOL		DESCRIPTION
	D-01	LIMIT OF WORK. SKATE PARK CONTRACTOR TO COORDINATE CONSTRUCTION FENCE, STAGING, AND ACCESS WITH CITY.
	D-02	EX. SKATE PARK RAMP, RAIL, AND POST TO BE REMOVED. CONTRACTOR TO ENSURE CONCRETE IS REPAIRED AND SMOOTH, VOID OF ANY HOLES OR RIDGES UPON REMOVAL OF EX. FEATURES. CONTRACTOR TO PATCH HOLES , REPAIR CRACKS / SPALLS, AND / OR RESTORE JOINTS UPON DIRECTION OF SKATE PARK DESIGNER.
	D-03	EX. LIGHT POST TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
	D-04	EX. ROCKWALL TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
	D-05	EX. SIDEWALK TO REMAIN, CONTRACTOR TO PROTECT IN PLACE.
	D-06	JOINTS, CRACKS AND SPALLING AT EXISTING CONCRETE SLAB NOT REQUIRING REPAIR.
	D-07	EXTENT OF JOINTING AND CRACK REPAIR REQUIRED AT EXISTING CONCRETE SLAB. AT A MINIMUM, CONTRACTOR TO REMOVE ALL EXISTING CAULKING, CLEAN JOINTS AND RE-CAULK . REFER TO SPG1.06 FOR CRACKING REPAIR PLAN AND DETAILS.
	D-08	EXTENT OF CONCRETE DEMOLITION
	D-09	EXTENT OF ROCKWALL DEMOLITION

BID ALT. DEMOLITION NOTES

1. REFER TO SPG1.01 FOR BASE BID & BID ALTERNATE NOTE.
2. BID ALT. # 3 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS AND DEMOLITION OF ENTIRE ± 9,325 S.F. EX. CONCRETE SLAB.

DEMOLITION NOTES

1. CLEAR AND GRUB PROJECT SITE PRIOR TO CONSTRUCTION AS SPECIFIED IN THIS PLAN, AND AS NEEDED TO COMPLETE AND PROPER PREPARATION OF THE SITE.
2. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
3. TRAFFIC: CONDUCT SITE PREPARATION WORK TO ENSURE MINIMUM INTERFERENCE WITH EXISTING ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT EXISTING STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. COMPLETE THE CLEARING AND SITE PREPARATION WORK BEFORE STARTING EARTHWORK, ERECT TEMPORARY BARRICADES, ENCLOSURES AND PROTECTION OF ADJACENT PROPERTY AND EXISTING WORK BEFORE STARTING SITE CLEARING WORK.
5. INSPECT AND REVIEW THE PROJECT SITE TO DETERMINE EXISTING CONDITIONS WHICH AFFECT CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN ON THIS PLAN OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
6. PROTECTION OF EXISTING TREES AND VEGETATION (IF APPLICABLE) : PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO REMAIN.
7. SITE CLEARING: CLEAR THE PROJECT SITE OF EXISTING SITE MATERIALS AND MISCELLANEOUS DEBRIS WITHIN THE LIMITS OF WORK. DISPOSE MATERIALS FROM THE CLEARING OPERATION OFF-SITE TO A LEGAL DISPOSAL AREA.
8. PROTECTION OR PERSONS AND PROPERTY: CONTRACTOR TO PROVIDE A SIX FOOT TEMPORARY CHAIN LINK CONSTRUCTION FENCE, GATE AND CONSTRUCTION SIGNS AROUND LIMIT OF WORK DURING CONSTRUCTION. LOCATION OF FENCING SHALL BE APPROVED BY THE RESIDENT ENGINEER. STABILIZE TEMPORARY FENCE WITH SAND BAGS OR OTHER CITY APPROVED METHOD.
9. UTILITIES: CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES AND AGENCIES AS REQUIRED. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
10. IRRIGATION: BEFORE DEMOLITION, CONTRACTOR IS RESPONSIBLE TO: (A) VERIFY THE LOCATION OF ALL IRRIGATION MAINLINE, ELECTRIC WIRES AND VALVES, CAP AND LABEL MAINLINE AND ELECTRIC WIRES FOR FUTURE USE. (B) ANY ACTIVE IRRIGATION VALVE NEEDS TO BE RELOCATED AND RECONNECTED TO WATER SOURCE AND TO THE EXISTING IRRIGATION CONTROLLER TO INSURE PROPER IRRIGATION TO ALL SURROUNDING LANDSCAPE AREAS.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS, INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH OWNERS REPRESENTATIVE AND CITY.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PRESERVE ALL PERMANENT REFERENCE POINTS DURING CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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STATE REGISTERED LANDSCAPE ARCHITECT
Mark van der Vaart
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STATE OF ALASKA
2021-05-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

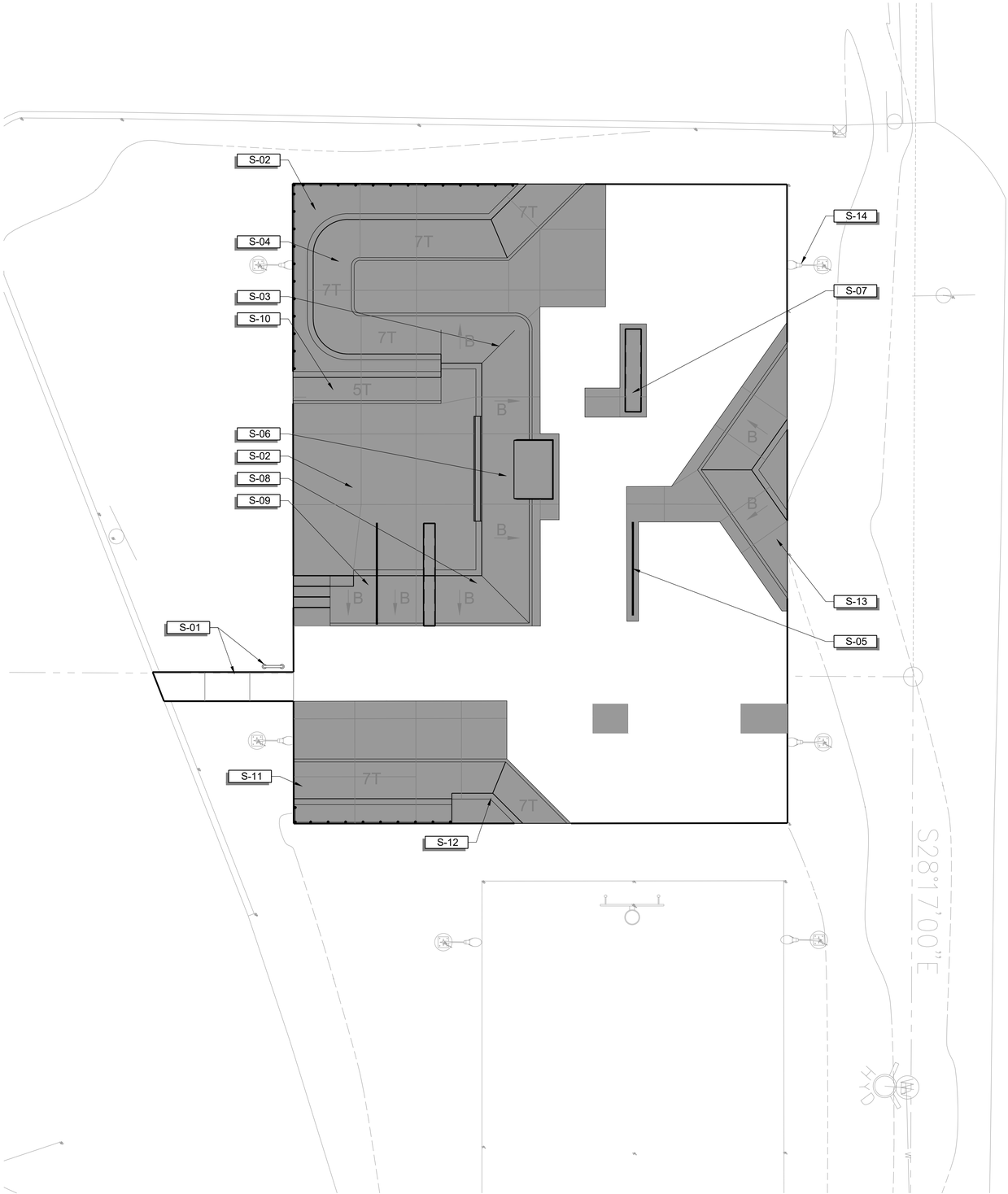
#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK EX. CONDITIONS / DEMO PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPG1.00



SKATE PARK FEATURE LEGEND

SYMBOL	DESCRIPTION
S-01	SKATE PARK ENTRY WITH RULES AND REGULATIONS SIGN, 2 TOTAL. (NOT INCLUDED IN SKATE PARK SCOPE OF WORK. SIGN VERBIAGE TO BE SELECTED BY OWNER.)
S-02	TOP DECK
S-03	2.5' HIGH BANKED HIP
S-04	4.5' HIGH MINI RAMP WITH POCKET
S-05	14" HIGH FLAT BAR
S-06	BANK TO CURB AND MANUAL PAD
S-07	14" HIGH LEDGE
S-08	2.5' HIGH BANK WITH HIP AND HUBBA LEDGE
S-09	2.5' HIGH BANK WITH 4-STAIR SET, STEP UP AND FLAT / DOWN RAIL
S-10	2' HIGH QUARTER PIPE
S-11	4' HIGH QUARTER PIPE
S-12	2.5' HIPPED QUARTER PIPE
S-13	3' HIGH PYRAMID HIP
S-14	EXISTING LIGHT POLES TO REMAIN
T	RADIUS OF WALL, REFER TO SKATE PARK SECTIONS
B	BANK / EMBANKMENT WALL WITH SLOPE AND/OR RADIUS AT BASE, REFER TO SKATE PARK SECTIONS
	BASE BID NEW CONCRETE FEATURES. SEE SPG1.06 FOR EXTENT OF CONCRETE REPAIRS. NOTE: BID ALT. #3 TO INCLUDE REMOVAL OF EX. SKATE PARK RAMPS AND RAILS, DEMOLITION OF ENTIRE EX. CONCRETE SLAB, AND INSTALLATION OF NEW TOP DECK.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Zalm
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STATE OF TEXAS
2023-05-02

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK FEATURE PLAN

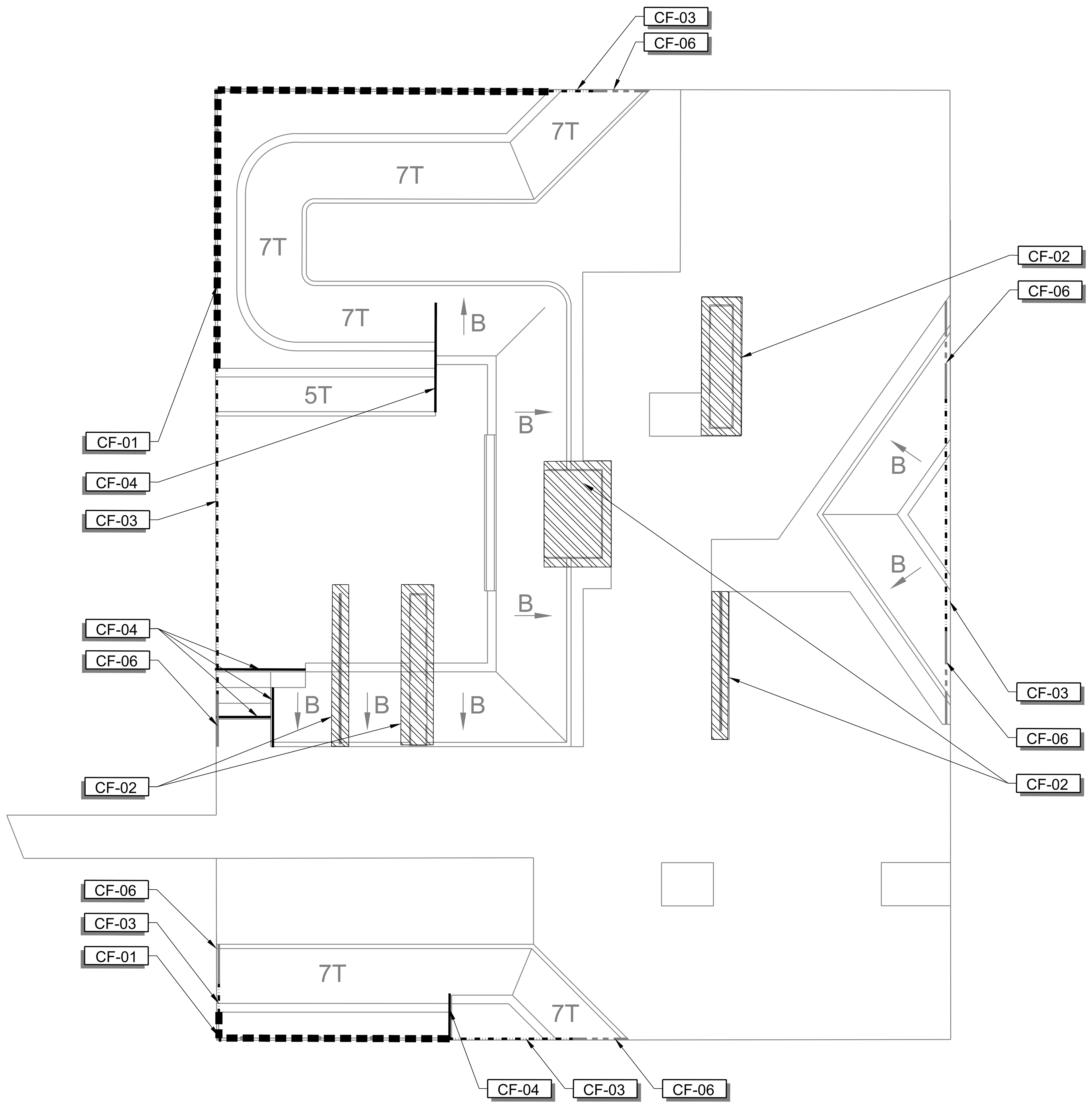
PHASE: BID SET

PROJECT NUMBER: 2022-21

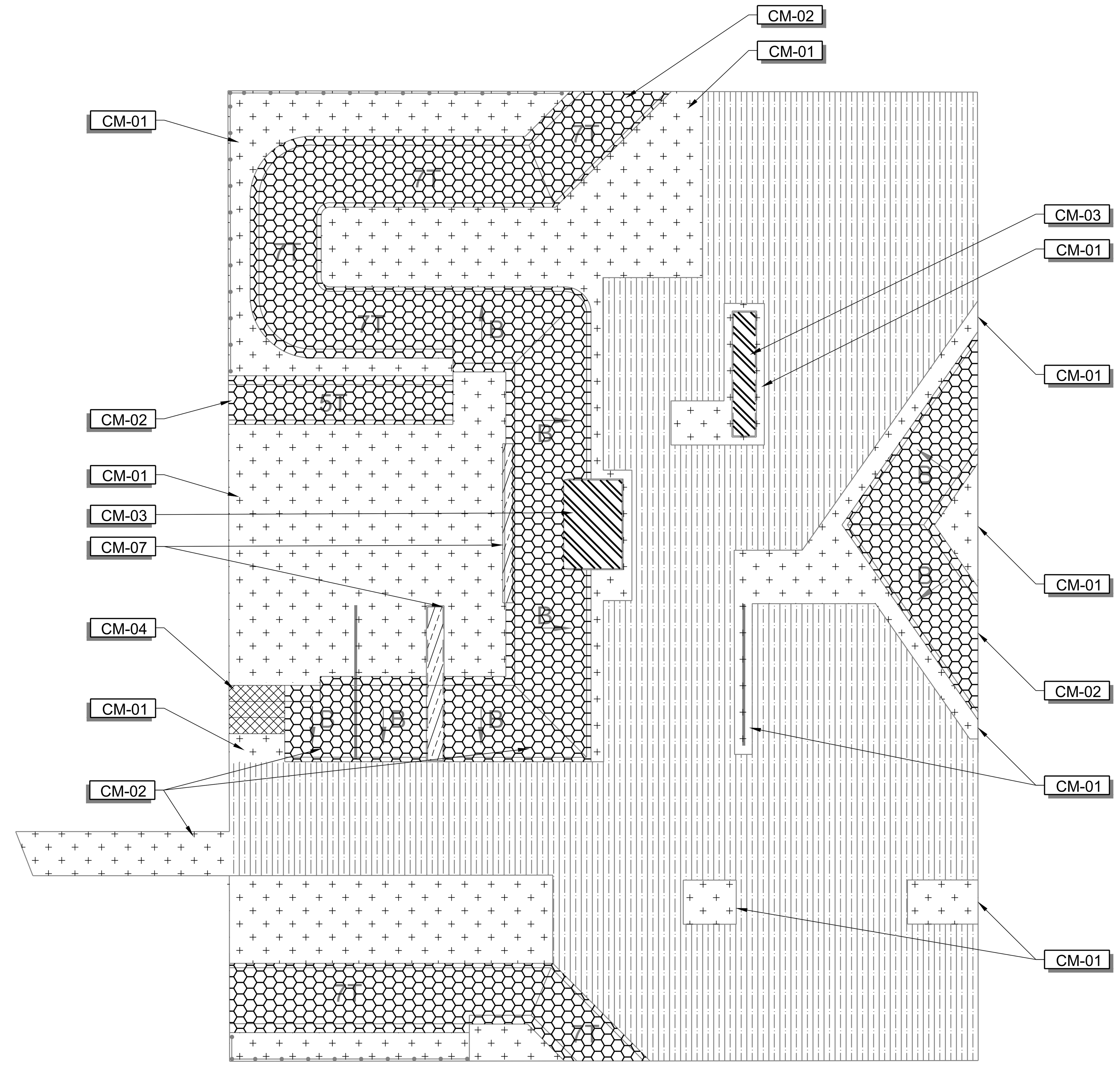
DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG1.01



(A) CONCRETE FOUNDATION AND WALL PLAN



(B) CONCRETE MATERIAL PLAN

CONCRETE FOUNDATION & WALL LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CF-01	TURNDOWN WALL TIED TO EX. SLAB (10" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	07/SP5.05
CF-02	LEDGE / RAIL FOUNDATION - THICKENED TOP DECK, BANK, OR STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 01-04/SP5.05
CF-03	TURNDOWN WALL TIED TO EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03-04/SP5.04
CF-04	TURNDOWN WALL ON THICKENED TOP DECK / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.05
CF-05	TURNDOWN WALL ON EX. SLAB (6" THK.)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	05/SP5.04
CF-06	TURNDOWN WALL ON GRADE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06/SP5.04

CONCRETE MATERIAL NOTES

1. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
2. CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
3. CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
4. CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
5. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
6. FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
7. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
8. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.

CONCRETE MATERIAL LEGEND

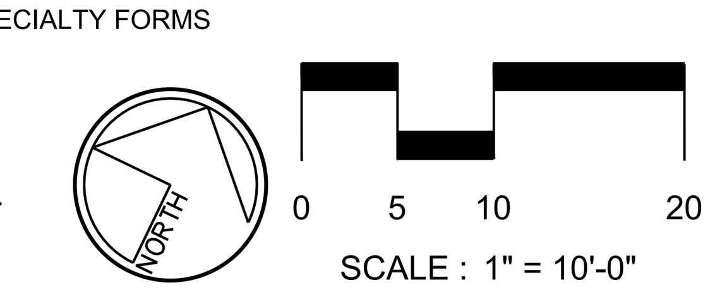
SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
CM-01	5" THK. CONCRETE SLAB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01/SP5.01
CM-02	6" THK. SHOTCRETE BOWL / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06-07/SP5.01
CM-03	CAPPED CAST IN PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02 08/SP5.02
CM-04	CAST IN PLACE STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03/SP5.02
CM-07	CAST IN PLACE LEDGE (NO CAP)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-03/SP5.07
CM-08	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED				01-06/SP1.06

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.



SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark van der Zalm
2553
STATE OF TEXAS
2023-03-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK CONC. FOUNDATION & MATERIAL PLAN

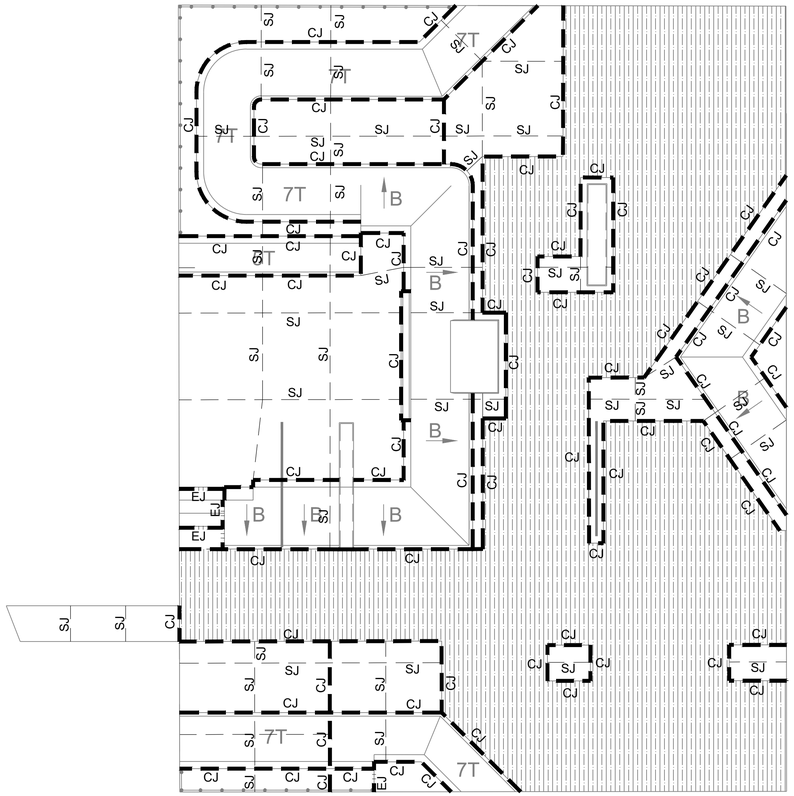
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG1.02



A CONCRETE JOINTING PLAN

CONCRETE JOINTING LEGEND

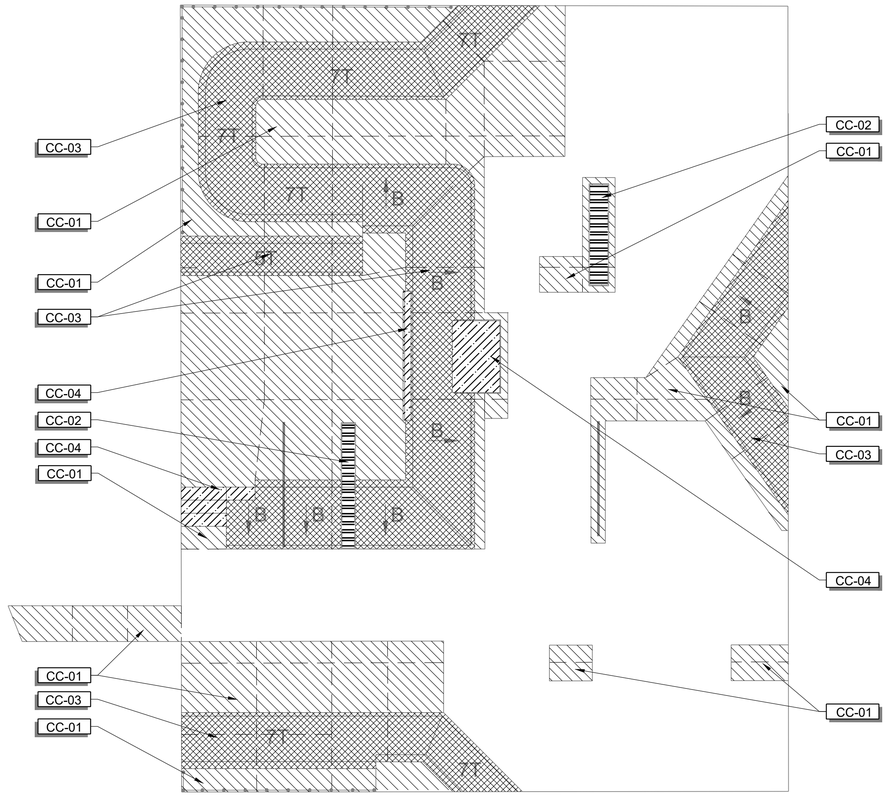
SYMBOL	DESCRIPTION	DETAIL
	CJ - CONSTRUCTION JOINT	02-04,07 /SP5.03
	SJ - SAWCUT JOINT	05/SP5.03
	EJ - EXPANSION JOINT (SEE NOTES 10 & 11)	06/SP5.03
	SCULPTURAL BLEND ZONE PROVIDE CUSTOM CONCRETE BLENDING FOR SMOOTH TRANSITIONS. THESE AREAS TYPICALLY REQUIRE GREATER HAND WORK AND QUALITY CONTROL TO ENSURE THAT BLENDS DO NOT RESULT IN IRREGULAR CONCRETE SURFACE CONDITIONS. THESE AREAS NEED TO BE REVIEWED AND APPROVED AT THE FINE GRADING STAGE, PRIOR TO CONCRETE PLACEMENT, BY THE SKATE PARK DESIGNER.	
	EX. CONCRETE SLAB WITH JOINTS TO BE REPAIRED, SEE SPG1.06	

CONCRETE JOINTING NOTES

1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".

BID ALT. NOTES

1. REFER TO SPG1.01 FOR BASE BID & ID ALTERNATE NOTE.
2. BID ALT. # 3 TO INCLUDE INSTALLATION OF CONSTRUCTION, SAW CUT, AND EXPANSION JOINTS AT 5825 SF TOP DECK. CONTRACTOR TO COORDINATE WITH SKATE PARK DESIGNER AN ANY ADDITIONAL JOINTING NECESSARY, APART FROM SHOWN ON BASE BID.



B CONCRETE COLOR PLAN

CONCRETE COLOR LEGEND

SYMBOL	DESCRIPTION
CC-01	NATURAL GRAY
CC-02	CANTILEVERED LEDGE CAP - PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR (OR APPROVED EQUAL) LEDGE BASE - NATURAL GRAY
CC-03	GRAPHITE / DAVIS COLORS 8084 (OR APPROVED EQUAL), INTEGRAL COLOR
CC-04	PALOMINO / DAVIS COLORS 5447, INTEGRAL COLOR

COLORED CONCRETE CURING NOTES

1. CONTRACTOR TO ENSURE THAT COLORED CONCRETE IS CURED AND SEALED AFTER EACH POUR PRIOR TO POURING ADJACENT COLORED CONCRETE SURFACES TO AVOID BLEEDING AND DUSTING.
2. COLORED CONCRETE SHALL BE CURED WITH AN APPROVED CURING AID. CONTRACTOR TO SUBMIT CURING AID PRODUCT SPECIFICATION TO CLIENT REPRESENTATIVE FOR APPROVAL.

CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mary Van der Wiel 2553 STATE OF TEXAS
2023.03.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK CONC. JOINTING & COLOR PLAN

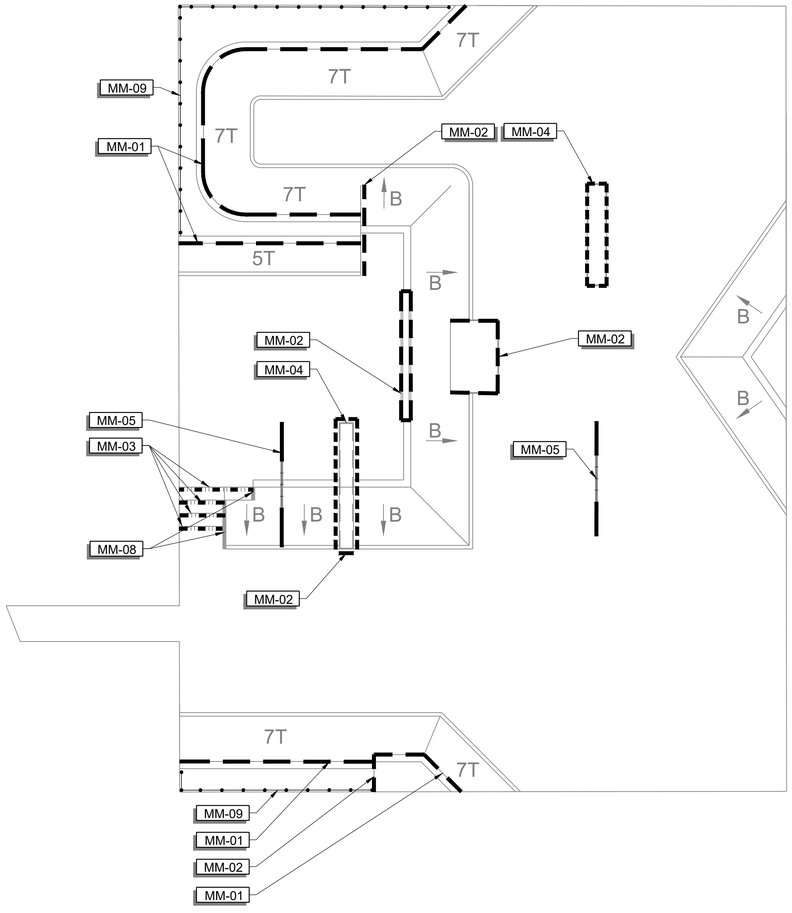
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG1.03



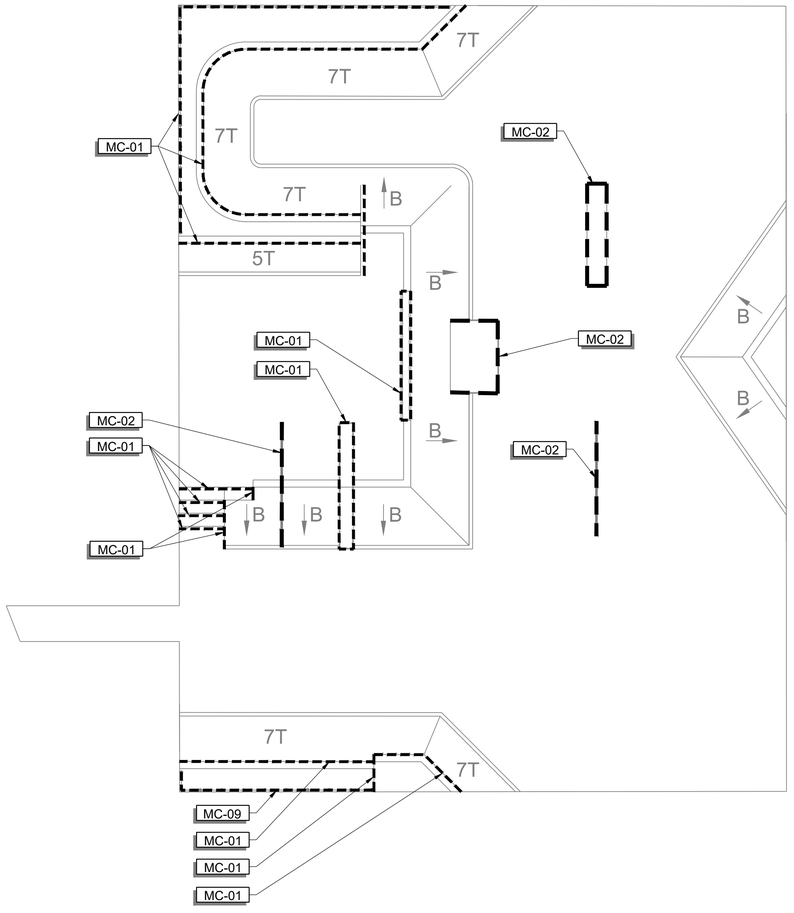
A METAL MATERIALS PLAN

METAL MATERIAL LEGEND

SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	DETAIL
MM-01	2-3/8" O.D. ROUND STEEL PIPE COPING		04/SP5.06
MM-02	1/4" THK. CUSTOM FABRICATED ANGLED PLATE EDGING		06/SP5.06
MM-03	6" x 1/4" x 1-7/8" C-CHANNEL EDGING (FLUSH)	C6X8.2 - 2.00" x 6.00" x 0.1875"	07/SP5.02
MM-04	6" x 1/4" x 1-7/8" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS (AT CANTILEVERED LEDGE CAPS)	C6X8.2 - 2.00" x 6.00" x 0.1875"	05/SP5.02
MM-05	2-3/8" O.D. ROUND PIPE TOP RAIL & 2"X6" SQUARE PIPE SUPPORT, AND CUSTOM CUT 2"X6" POSTS.		01-03/SP5.0
MM-08	CUSTOM CUT FLAT PLATE STEEL		04/SP5.02
MM-09	SAFETY GUARDRAIL		06/SP5.05

METAL MATERIAL NOTES

1. ALL METAL FABRICATION SIZES ARE NOMINAL.
2. ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. REFER TO SKATE PARK COLOR PLAN FOR PAINT COLORS IF PRIMING AND PAINTING.
3. QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED, THE REFERENCED STANDARDS, THE REQUIREMENTS OF THIS WORK, AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
4. WELDS NECESSARY TO CONNECT ALL COPING AND METAL FABRICATION SHOULD BE DONE BY CERTIFIED WELDER, GROUND SMOOTH, DE-BURRED AND COATED PER SPECIFICATIONS.
5. PROTECT ALL FINISH WORK ADJACENT TO METAL FABRICATION EFFORTS TO PREVENT ANY STAINING.
6. SAMPLES: REQUIRED FOR ALL COPING, RAILS, FENCING AND EDGING OF SKATE PARK. SUBMIT FINISH METAL SAMPLES FOR FINAL FINISH REQUIRED PRIOR TO DELIVERY TO SITE.
7. STEEL COPING: ROLL PIPE TO CONFORM WITH HORIZONTAL CONTROL RADII AT CENTERLINE OF PIPE.
8. CONTRACTOR SHALL REFER TO DETAIL ON 7/SP5.06 FOR COPING SUPPORT. SUBMIT DETAIL ALONG WITH SHOP DRAWINGS IF USING A DIFFERENT COPING SUPPORT PRIOR TO FABRICATION.
9. ALL METAL EDGING TO HAVE END CAPS WHERE EXPOSED TO CONCRETE.



B METAL COLOR PLAN

METAL COLOR / FINISH LEGEND

SYMBOL	DESCRIPTION
MC-01	PAINT COLOR: BLACK AMS-STD 17038 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS
MC-02	PAINT COLOR: INTERNATIONAL ORANGE AMS-STD 12197 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS

METAL PAINTING NOTES

1. SURFACE PREPARATION OF GALVANIZED SURFACES SHALL BE IN ACCORDANCE WITH SSPC SP16 AND ASTM D6386:
   A. ALL AREAS CONTAINING VISIBLE CONTAMINANTS SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC SP1 SOLVENT CLEANING.
   B. ALL AREAS CONTAINING NON-VISIBLE CONTAMINANTS SHALL BE PRESSURE WASHED CLEAN WITH CHLOR-RID PER MANUFACTURER'S SPECIFICATIONS.
   C. GALVANIZED SURFACES SHALL BE SWEEP-BLASTED TO ACHIEVE A SLIGHT ANGULAR SURFACE PROFILE 1 MIL. MIN. BLAST OF THE GALVANIZING SHALL BE DONE IN SUCH A MANNER AS TO NOT DAMAGE OR REMOVE ANY OF THE GALVANIZING. ANY GALVANIZING THAT IS DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. BLASTED SURFACES SHALL BE CLEAN, DRY, AND FREE OF CORROSION PRODUCTS AT TIME OF APPLICATION OF PAINT.
2. FINISH COAT SHALL BE ACROLON 218, MINIMUM DFT. 2.0 MILS. COLOR OF FINISH COAT SHALL HAVE FEDERAL STANDARD COLOR AS NOTED AND HAVE A SEMI-GLOSS FINISH. APPLICATION OF PAINT SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL SUBMIT PAINTED SAMPLES TO ALDOT AND SKATEPARK DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, GALVANIZING AND PAINTING.

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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Mark Van der Zwaag
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STATE OF TEXAS
2023-03-07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK METAL MATERIAL & COLOR PLAN

PHASE: BID SET

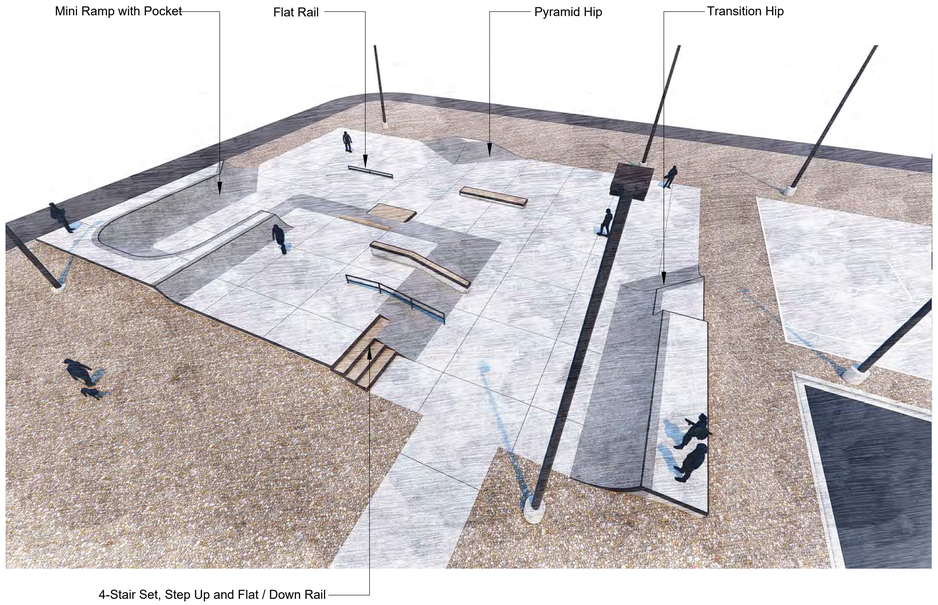
PROJECT NUMBER: 2022-21

SHEET NUMBER: SPG1.04

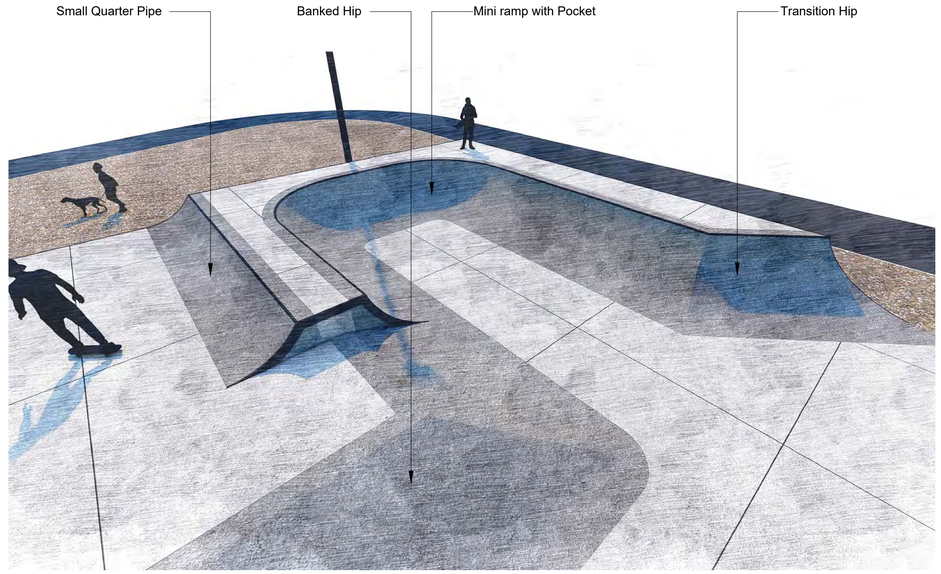
DATE: 03-07-2023

SHEET SIZE: 36x24

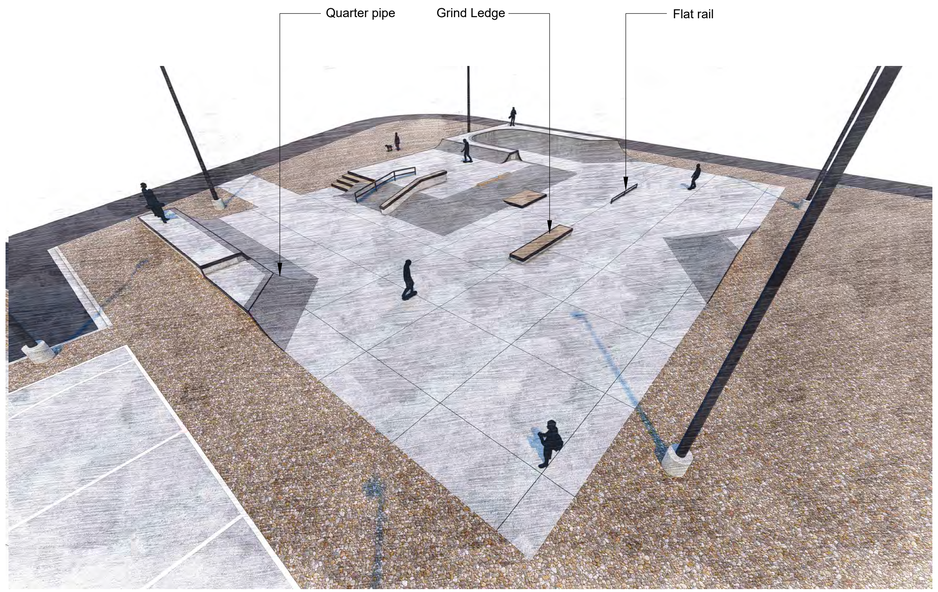
Note: Not for construction reference.
Alterations will be made to model during detailed design phase
Images are shown to display broader design concept only.
Safety guardrails not shown on model. See Metal Materials Plan for Safety Guardrail locations.



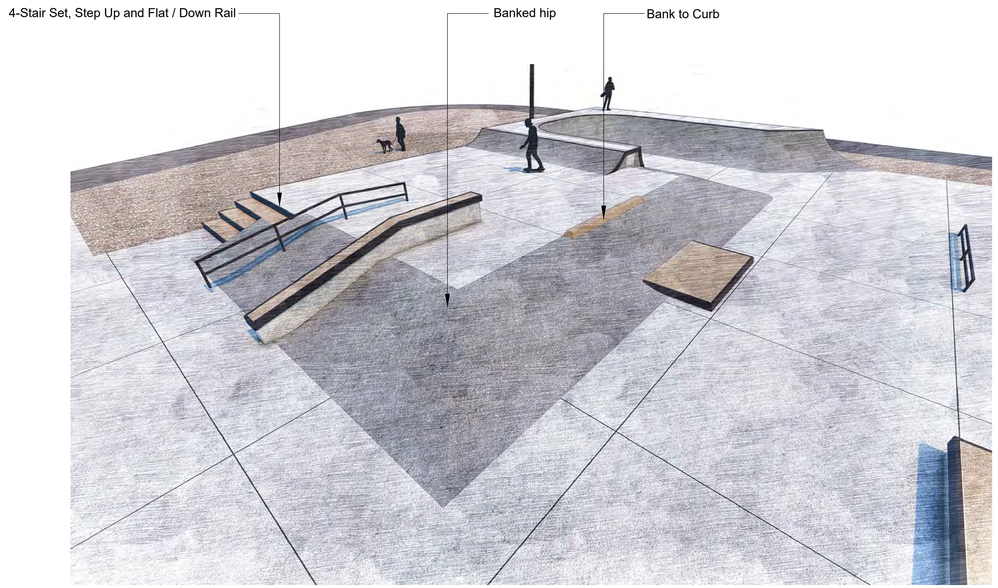
View 1



View 2



View 3



View 4

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STATE OF TEXAS
2023.03.07

EL PASO COUNTY
SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

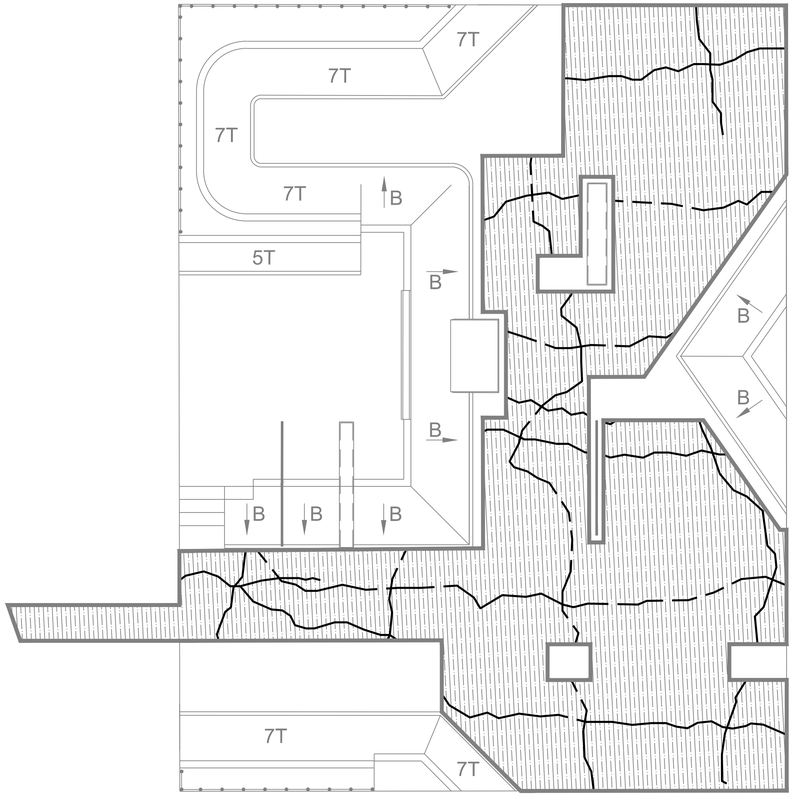
#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK ARTISTIC RENDERINGS

PHASE: BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPG1.05



A CONCRETE CRACKING PLAN

CONCRETE CRACKING LEGEND

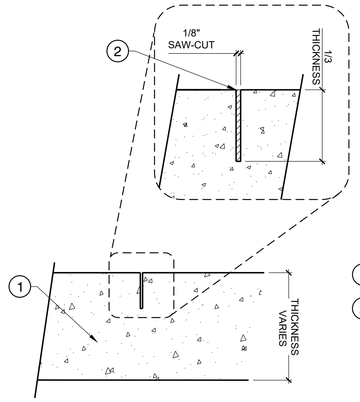
SYMBOL	DESCRIPTION	DETAIL
— —	APPROXIMATE LOCATIONS OF EXISTING LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	02-04,07 /SP5.03
	EX. CONCRETE SLAB WITH LINEAR / NON-LINEAR CRACKS TO BE REPAIRED	01-06/SPG1.06

NOTES

1. FINAL CONCRETE CRACKING REPAIR EXTENT TO BE COORDINATED WITH EXISTING JOINTS AND VERIFIED IN FIELD.
2. CRACK REPAIR DETAIL TO BE DETERMINED BY SIZE AND NATURE OF CONCRETE FAILURE.

CONCRETE JOINTING NOTES

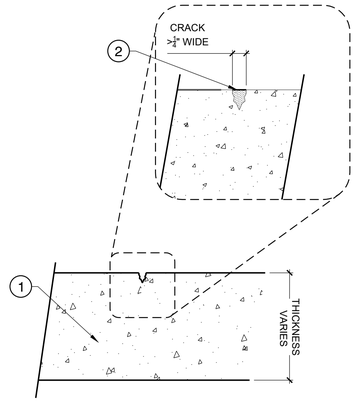
1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".



1. EXISTING TOP DECK OR FLATBOTTOM
2. CHASE THE CRACK WITH A SAWCUT USING A V-GROOVE BIT AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1A OR EQUAL-COLOR TO MATCH CONCRETE

NOTE:
CRACK CHASE REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

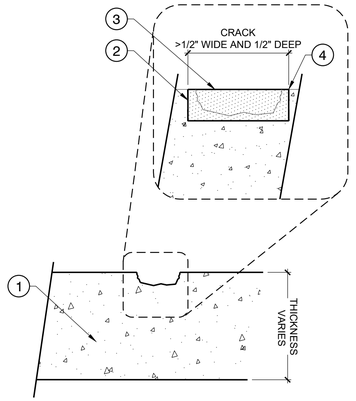
01 LINEAR CRACK CHASE SAW-CUT



1. EXISTING TOP DECK OR FLATBOTTOM
2. CLEAN CRACK VOID OF DUST, DEBRIS, AND REMOVE ANY EXCESS LOOSE CONCRETE FROM VOID. FILL VOID WITH MAPEI PLANITOP X.

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/8 " AND LESS THAN 1/4 " WIDE

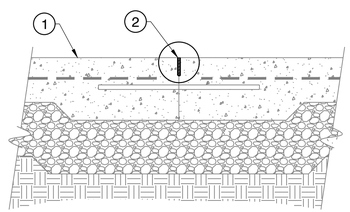
02 MAJOR LINEAR CRACK REPAIR



1. EXISTING TOP DECK
2. SAWCUT RECTANGLE AROUND THE PERIMETER OF CRACKING AREA 2" DEEP AND CHIP OUT CONCRETE
3. FILL WITH CONCRETE, SMOOTH TROWEL FINISH TO MATCH ADJACENT DECK
4. 1/8" TOOLED EDGE ON ALL SIDES

NOTE:
REPAIR TO BE USED FOR CRACKS GREATER THAN 1/2" WIDE AND 1/2" DEEP

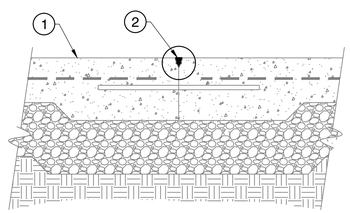
03 FLATWORK NON-LINEAR CRACK/BLOWOUT REPAIR



1. EXISTING SKATEPARK CONCRETE
2. SAWCUT EXISTING COLD JOINT WITH ¼" V-GROOVE BIT AND FILL JOINT WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1C SL OR EQUAL- COLOR TO MATCH CONCRETE

NOTE: MINOR REPAIR CONDITION APPLIED FOR JOINTS OR CRACKS SMALLER THAN OR EQUAL TO ¼" WIDE.

04 SAW-CUT JOINT CLEANING AND REPAIR



1. EXISTING SKATEPARK CONCRETE
2. CLEAN CRACK VOID AND REMOVE ANY LOOSE CONCRETE MATERIAL AROUND CRACK, INSTALL MAPEI PLANITOP X

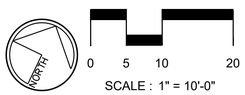
NOTE: MINOR REPAIR CONDITION APPLIED FOR CRACKS OR JOINTS GREATER THAN 1/4" WIDE.

05 MINOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S

06 MAJOR CONSTRUCTION JOINT OR CRACK REPAIR

N.T.S



SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT
Mark van der Zalm
STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK CONC. CRACKING REPAIR PLAN

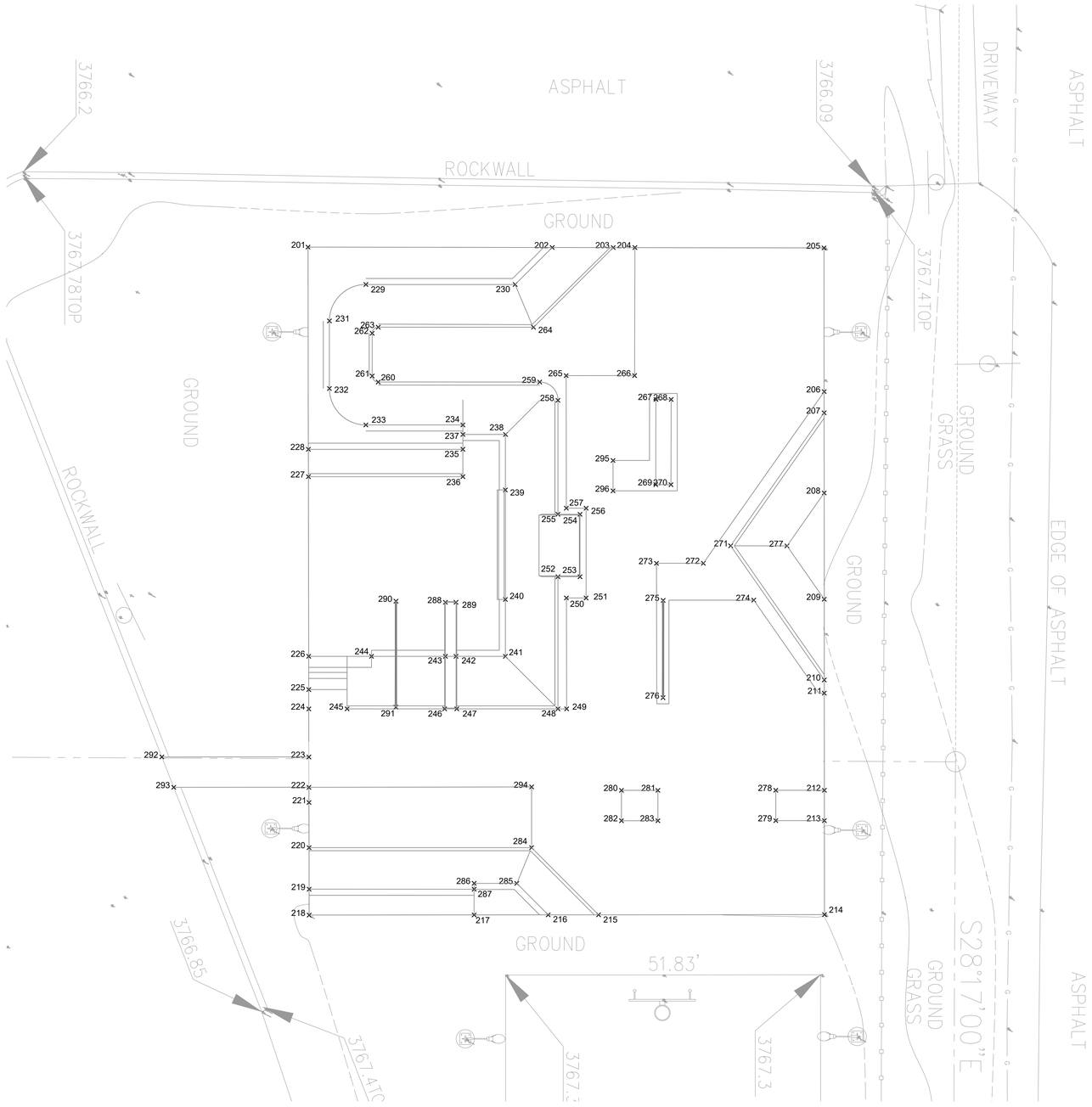
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG1.06



A LAYOUT PLAN - POINTS

Site Layout Point Table		
Point #	Northing	Easting
201	10719703.37	349959.24
202	10719720.77	349995.47
203	10719725.12	350004.52
204	10719726.67	350007.73
205	10719740.14	350035.79
206	10719718.84	350046.09
207	10719715.69	350047.60
208	10719703.81	350053.34
209	10719688.05	350060.96
210	10719676.09	350066.74
211	10719674.14	350067.68
212	10719659.75	350074.64
213	10719655.24	350076.81
214	10719641.31	350083.55
215	10719625.13	350050.08
216	10719621.52	350042.62
217	10719616.21	350031.65
218	10719604.39	350007.21
219	10719608.23	350005.35
220	10719614.39	350002.36

Site Layout Point Table		
Point #	Northing	Easting
221	10719621.07	349999.12
222	10719623.32	349998.04
223	10719627.82	349995.85
224	10719634.94	349992.40
225	10719637.81	349991.01
226	10719642.74	349988.63
227	10719669.35	349975.73
228	10719673.41	349973.76
229	10719701.96	349970.50
230	10719712.63	349992.63
231	10719693.95	349967.70
232	10719683.93	349972.53
233	10719681.13	349980.55
234	10719688.07	349994.93
235	10719684.46	349996.67
236	10719680.39	349998.63
237	10719686.66	349995.61
238	10719689.71	350001.93
239	10719681.47	350005.88
240	10719665.23	350013.71

Site Layout Point Table		
Point #	Northing	Easting
241	10719656.80	350017.78
242	10719653.27	350010.46
243	10719652.51	350008.88
244	10719647.22	349997.93
245	10719637.69	349998.08
246	10719644.66	350012.53
247	10719645.53	350014.33
248	10719652.76	350029.33
249	10719653.39	350030.61
250	10719669.82	350022.65
251	10719671.22	350025.57
252	10719672.36	350019.88
253	10719673.94	350023.15
254	10719683.19	350018.69
255	10719681.62	350015.41
256	10719684.53	350019.15
257	10719683.12	350016.21
258	10719698.52	350007.26
259	10719699.92	350003.24
260	10719688.38	349979.32

Site Layout Point Table		
Point #	Northing	Easting
261	10719688.84	349977.98
262	10719695.18	349974.93
263	10719696.51	349975.39
264	10719707.61	349998.41
265	10719702.76	350006.71
266	10719707.67	350016.85
267	10719705.65	350021.71
268	10719706.74	350023.97
269	10719693.01	350027.78
270	10719694.09	350030.04
271	10719689.29	350043.26
272	10719684.75	350040.46
273	10719681.39	350033.53
274	10719682.89	350050.57
275	10719676.37	350037.16
276	10719661.92	350044.11
277	10719693.31	350051.62
278	10719656.27	350067.43
279	10719651.77	350069.61
280	10719645.22	350044.57

Site Layout Point Table		
Point #	Northing	Easting
281	10719647.83	350049.97
282	10719640.72	350046.74
283	10719643.32	350052.15
284	10719630.30	350035.36
285	10719623.94	350035.71
286	10719620.90	350029.39
287	10719620.03	350029.81
288	10719660.51	350005.02
289	10719661.28	350006.60
290	10719657.15	349997.61
291	10719641.42	350005.19
292	10719617.30	349974.06
293	10719613.65	349977.99
294	10719639.30	350031.01
295	10719693.53	350019.72
296	10719689.03	350021.90

B TABLE - POINTS

NOTE:

COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

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ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**

NORTH

0 5 10 20

SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zalm 2553 STATE OF TEXAS
2021-09-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK LAYOUT PLAN

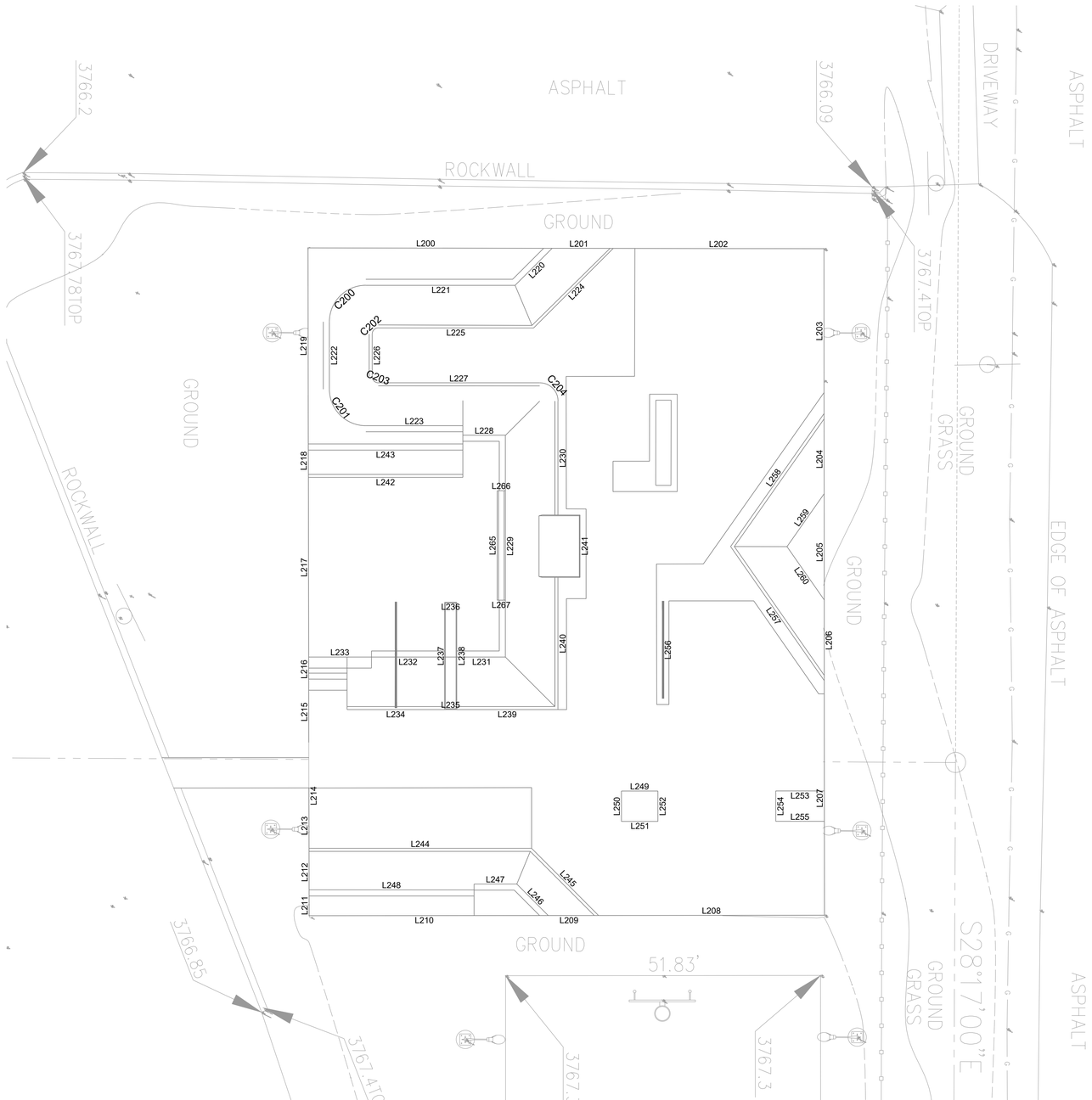
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG2.01



A LAYOUT PLAN - LINES & CURVES

Line Table		
Line #	Length	Direction
L200	38.78	N64° 20' 28.10"E
L201	11.45	N64° 20' 28.09"E
L202	34.69	N64° 20' 28.09"E
L203	27.15	N25° 47' 39.21"W
L204	14.94	N25° 47' 39.21"W
L205	15.76	N25° 47' 45.27"W
L206	13.28	S25° 47' 37.59"E
L207	38.63	N25° 47' 39.21"W
L208	37.18	N64° 11' 29.63"E
L209	9.70	S64° 11' 29.63"W
L210	37.92	S64° 11' 29.63"W
L211	3.26	N25° 51' 12.81"W
L212	7.85	N25° 51' 12.81"W
L213	7.43	N25° 51' 12.81"W
L214	2.50	S25° 51' 12.81"E
L215	10.09	N25° 51' 40.37"W
L216	3.99	N25° 49' 47.89"W
L217	29.57	N25° 51' 12.58"W
L218	5.51	N25° 51' 12.76"W
L219	32.29	N25° 51' 12.81"W

Line Table		
Line #	Length	Direction
L220	8.63	S19° 15' 01.60"W
L221	24.56	S64° 15' 01.60"W
L222	11.12	S25° 44' 58.40"E
L223	15.97	N64° 15' 01.60"E
L224	18.55	S19° 15' 01.60"W
L225	25.55	S64° 15' 01.60"W
L226	7.03	S25° 44' 58.40"E
L227	26.57	N64° 15' 01.60"E
L228	7.02	N64° 15' 01.60"E
L229	36.53	S25° 44' 58.40"E
L230	18.76	S25° 44' 58.40"E
L231	8.00	S64° 15' 01.60"W
L232	12.03	S64° 15' 01.60"W
L233	10.33	N64° 15' 49.46"E
L234	16.04	S64° 15' 01.60"W
L235	2.01	N64° 15' 01.60"E
L236	2.01	S64° 15' 01.60"W
L237	17.42	N25° 44' 58.40"W
L238	17.67	S25° 44' 58.40"E
L239	16.65	S64° 15' 01.60"W

Line Table		
Line #	Length	Direction
L240	21.76	S25° 44' 58.40"E
L241	10.28	S25° 44' 58.40"E
L242	25.42	S64° 14' 48.82"W
L243	25.43	S64° 14' 48.82"W
L244	36.63	N64° 15' 19.34"E
L245	15.61	S70° 39' 26.43"E
L246	7.32	S70° 39' 26.43"E
L247	7.02	N64° 16' 36.45"E
L248	27.16	N64° 15' 01.60"E
L249	6.00	N64° 15' 01.60"E
L250	5.00	N25° 44' 58.40"W
L251	6.00	S64° 15' 01.60"W
L252	5.00	S25° 44' 58.40"E
L253	8.00	S64° 15' 01.60"W
L254	5.00	S25° 44' 58.40"E
L255	8.00	N64° 15' 01.60"E
L256	16.04	S25° 41' 17.61"E
L257	26.94	N60° 39' 26.43"W
L258	26.75	N09° 20' 33.57"E
L259	10.65	N09° 20' 33.57"E

Line Table		
Line #	Length	Direction
L260	10.72	N60° 39' 26.43"W
L265	18.03	N25° 44' 58.40"W
L266	1.35	N64° 15' 01.60"E
L267	1.35	S64° 15' 01.60"W

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C200	9.42	6.00	090.0000	S19° 15' 01.60"W	8.485
C201	9.42	6.00	090.0000	S70° 44' 58.40"E	8.485
C202	1.57	1.00	089.9988	N19° 15' 02.16"E	1.414
C203	1.57	1.00	090.0000	S70° 44' 58.40"E	1.414
C204	4.72	3.01	090.0011	S70° 44' 58.40"E	4.254

B TABLES - LINES & CURVES

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2021.05.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK LAYOUT PLAN

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

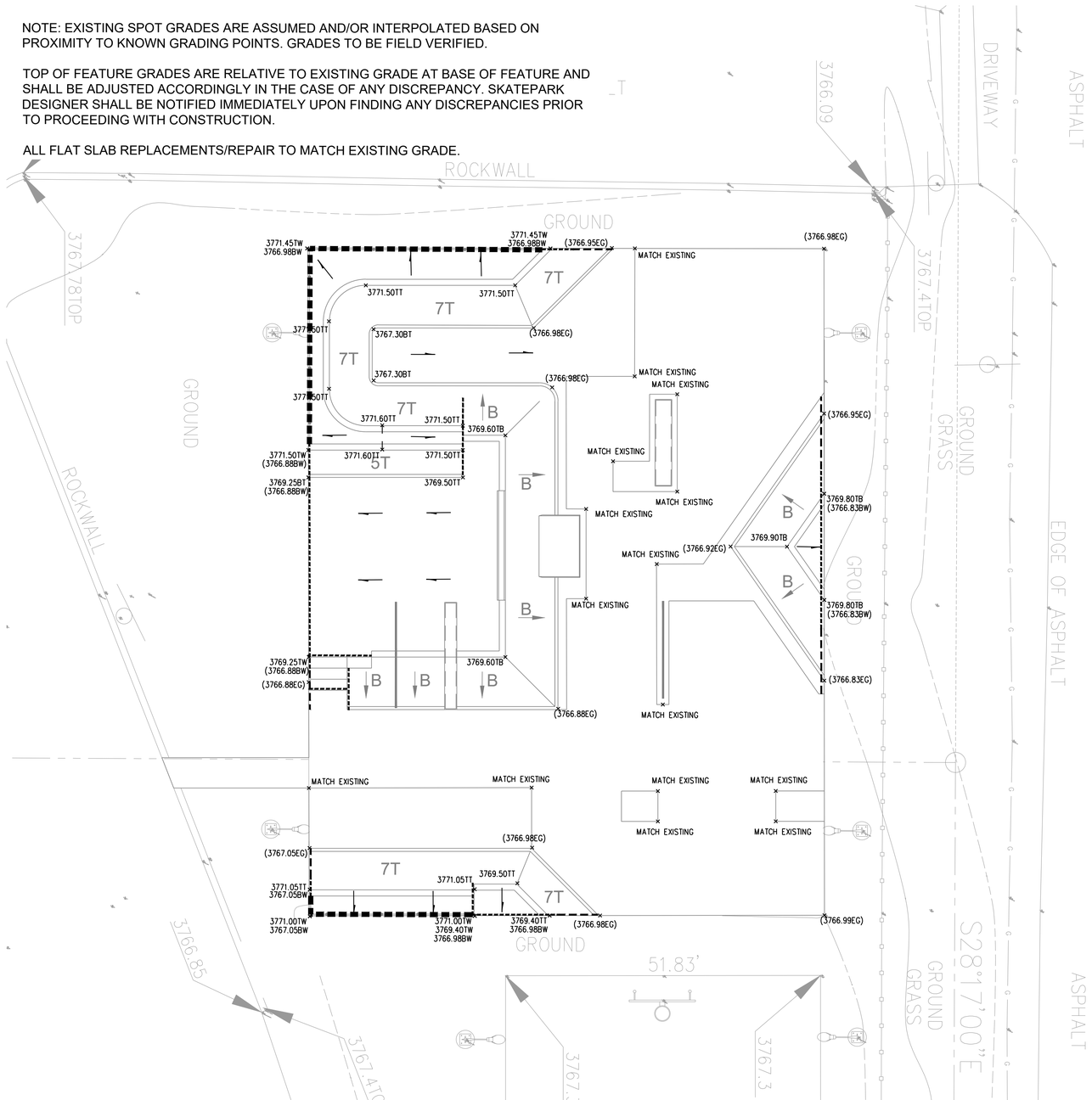
SHEET SIZE: 36x24

SHEET NUMBER: SPG2.02

NOTE: EXISTING SPOT GRADES ARE ASSUMED AND/OR INTERPOLATED BASED ON PROXIMITY TO KNOWN GRADING POINTS. GRADES TO BE FIELD VERIFIED.

TOP OF FEATURE GRADES ARE RELATIVE TO EXISTING GRADE AT BASE OF FEATURE AND SHALL BE ADJUSTED ACCORDINGLY IN THE CASE OF ANY DISCREPANCY. SKATEPARK DESIGNER SHALL BE NOTIFIED IMMEDIATELY UPON FINDING ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.

ALL FLAT SLAB REPLACEMENTS/REPAIR TO MATCH EXISTING GRADE.



SKATE PARK GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
——→	DIRECTION OF SURFACE FLOW
— —	G.B. BREAK IN GRADE
× 688.00BT	PROPOSED SPOT GRADE
× (688.00EG)	MATCH EXISTING GRADE
T	RADIUS OF WALL. REFER TO SECTION SHEETS FOR PROFILE VIEW
B	BANK-EMBANKMENT WALL WITH SLOPE AND RADII AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW.
———	F.L. FLOWLINE IN SWALE
— —	TURNDOWN WALL PER CONCRETE FOUNDATION PLANS, SP1.02

SPOT ELEVATION LEGEND

BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
TB	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TL	TOP OF LEDGE
BL	BOTTOM OF LEDGE
TC	TOP OF CURB
BC	BOTTOM OF CURB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
RIM	RIM OF DRAIN
INV	INVERT
EG	ASSUMED EXISTING GRADE (TO BE FIELD VERIFIED)

SKATE PARK GRADING & DRAINAGE NOTES

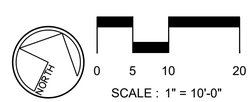
1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK DEISGNER IN THE FIELD.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
5. MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
6. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
7. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
8. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
9. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK DESIGNER.
10. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
11. MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
12. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SKATE PARK SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
13. CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK FOOTPRINT.

SURVEY NOTES

1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT CLIENT'S REPRESENTATIVES AND SKATE PARK DESIGNER.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE CLIENT'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

SITE GRADING NOTE

1. SKATE PARK DRAINAGE PATTERNS TO FOLLOW EX. SLAB GRADES. EXISTING SLABS ARE GENERALLY FLAT WITH NO SLOPE FOR DRAINAGE. THEREFORE, PUDDING / PONDING OR OTHER DRAINAGE ISSUES MAY OCCUR DUE TO EXISTING CONDITIONS AT NO FAULT OF THE PROPOSED SKATEPARK DESIGN.
2. EXISTING GRADE (EG) IS ASSUMED IN LOCATIONS WHERE THERE IS NO SURVEY DATA. THESE ELEVATIONS SHALL BE FIELD LOCATED AND ADJUSTED ACCORDINGLY.



SCALE : 1" = 10'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zalm 2553 STATE OF TEXAS
2023.09.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK GRADING & DRAINAGE PLAN

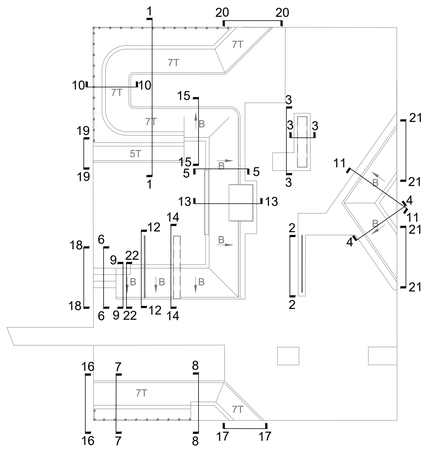
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG3.01



KEY MAP

CONCRETE GENERAL / SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

MATERIAL LEGEND

- CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

GENERAL NOTES

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3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
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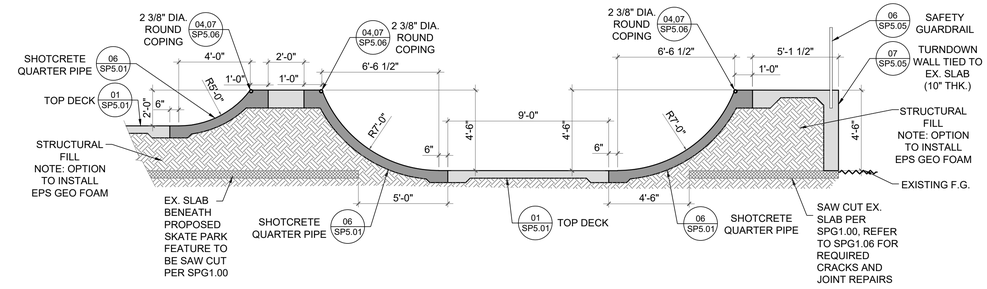
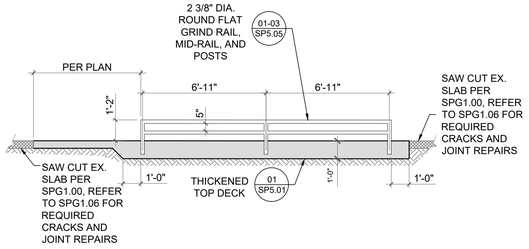
NOTES



1 SECTION

SCALE 1/4" = 1'-0"



2 SECTION

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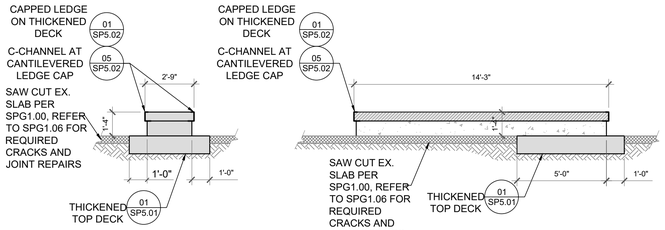
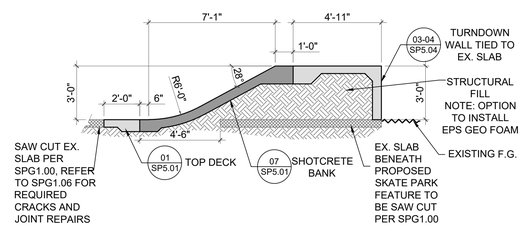


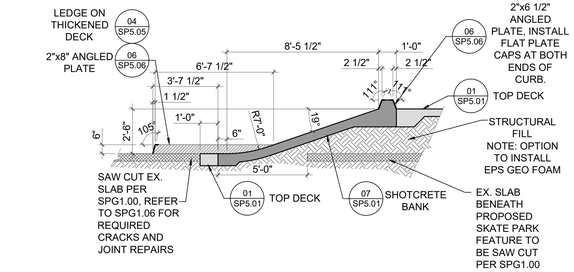
3 SECTION

SCALE 1/4" = 1'-0"



4 SECTION

SCALE 1/4" = 1'-0"



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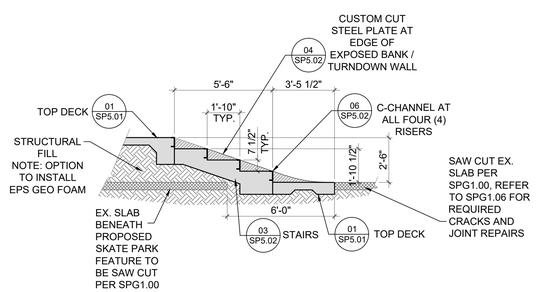
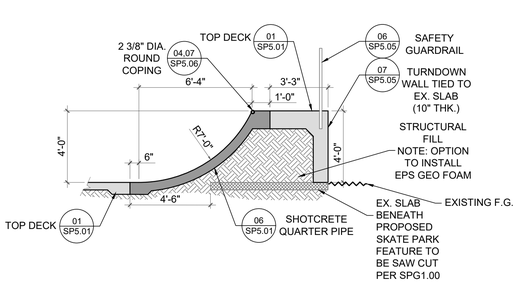
SCALE 1/4" = 1'-0"



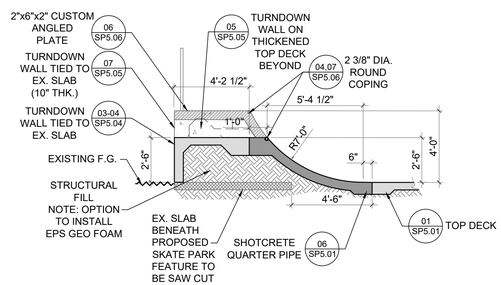
6 SECTION

SCALE 1/4" = 1'-0"



7 SECTION

SCALE 1/4" = 1'-0"



8 SECTION

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STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT Mark Van der Kaay 2553
2023.05.02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE: GALLEGOS SKATE PARK SECTIONS / PROFILES

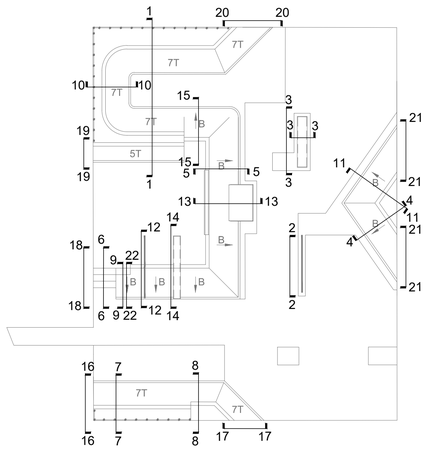
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SPG4.01



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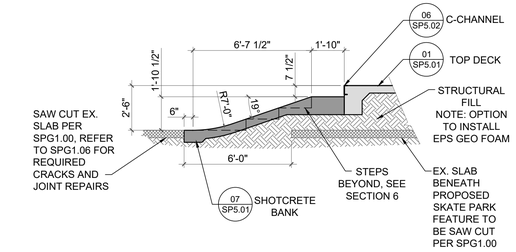
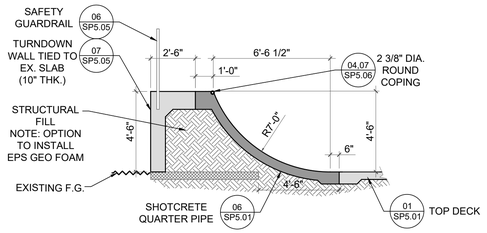
NOTES



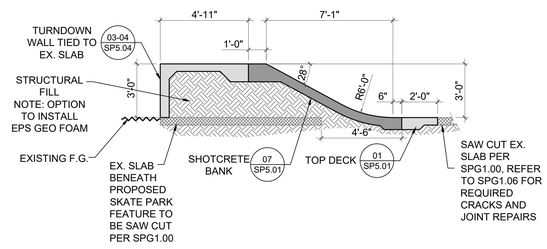
9 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



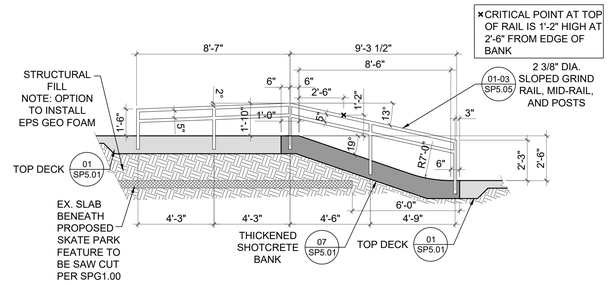
10 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



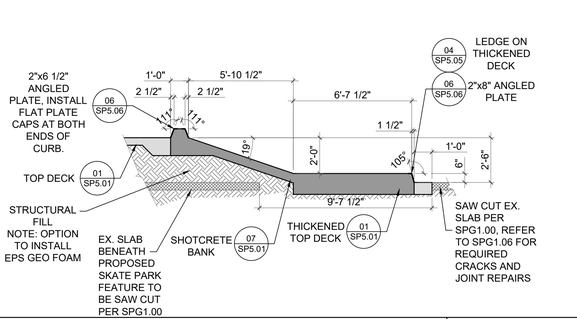
11 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



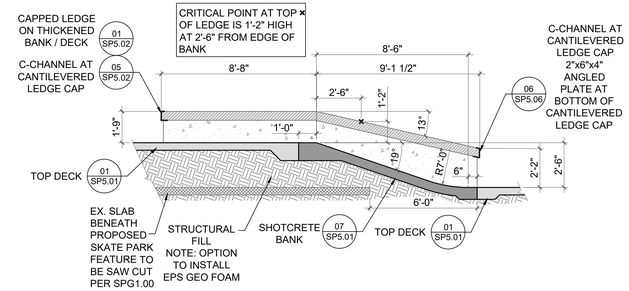
12 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



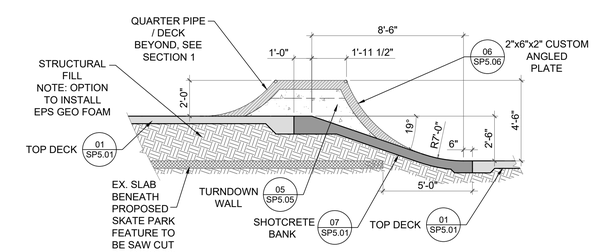
13 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



14 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



15 SECTION

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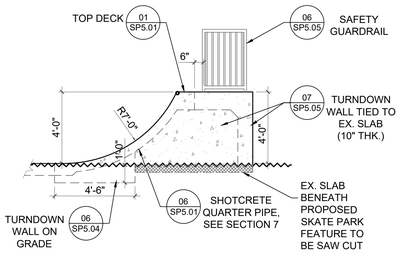
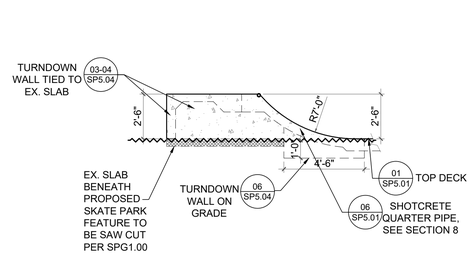


16 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"



17 SECTION

0" 1' 2' 4" | SCALE 1/4" = 1'-0"

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STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT Mark Van der Merwe 2553
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

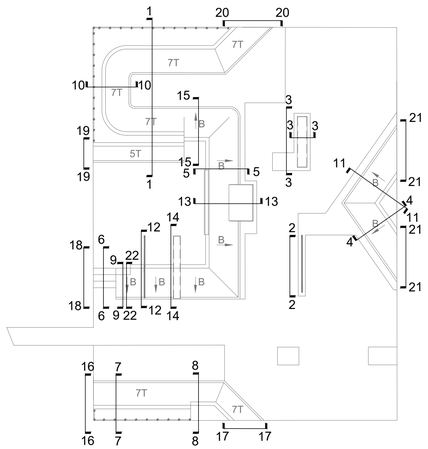
DATE REVISION

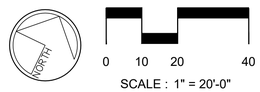
SHEET TITLE:
GALLEGOS SKATE PARK SECTIONS / PROFILES

PHASE: BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SPG4.02





SCALE : 1" = 20'-0"

KEY MAP

CONCRETE GENERAL / SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

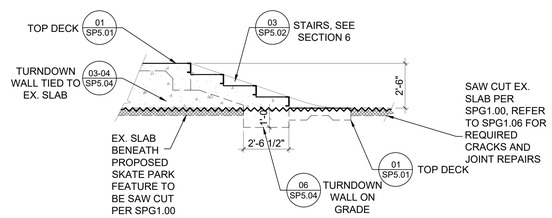
MATERIAL LEGEND

- CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

GENERAL NOTES

1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
4. FINAL GRADE EARTHWORK AND FORM WORK TO REVIEWED AND APPROVED BY SKATE PARK DESIGN TEAM. SKATE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
5. ALL DIMENSIONS AT BOTTOM OF BOWLS, EMBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
6. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATE PARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATE PARK LAYOUT PLAN.
7. CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.
9. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
10. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.
11. CONTRACTOR TO APPLY ELASTOMERIC WATERPROOFING MEMBRANE AT ALL PLANTER WALLS.
12. REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.

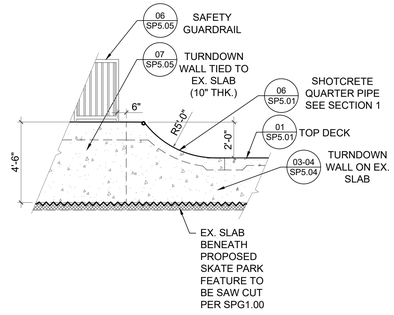
NOTES



18 SECTION

0" 1' 2' 4"

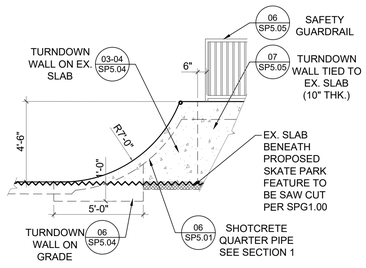
SCALE 1/4" = 1'-0"



19 SECTION

0" 1' 2' 4"

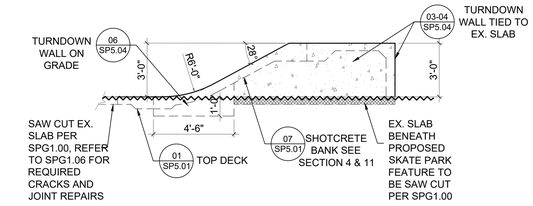
SCALE 1/4" = 1'-0"



20 SECTION

0" 1' 2' 4"

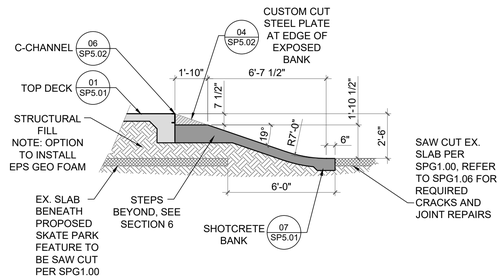
SCALE 1/4" = 1'-0"



21 SECTION

0" 1' 2' 4"

SCALE 1/4" = 1'-0"



22 SECTION

0" 1' 2' 4"

SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4"

SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4"

SCALE 1/4" = 1'-0"

SECTION

0" 1' 2' 4"

SCALE 1/4" = 1'-0"

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STATE REGISTERED LANDSCAPE ARCHITECT Mark Van der Zwaag 2553 TEXAS
2021-05-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

DATE	REVISION

SHEET TITLE:
GALLEGOS SKATE PARK SECTIONS / PROFILES

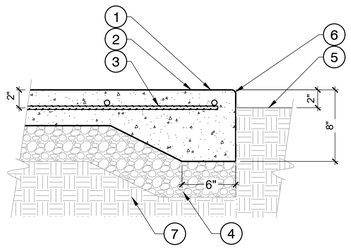
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

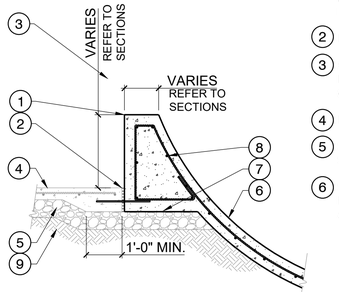
SHEET SIZE: 36x24

SHEET NUMBER: SPG4.03



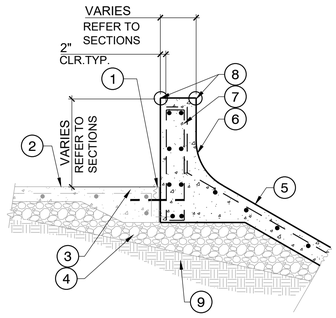
1. STEEL TROWEL SMOOTH FINISH UNLESS NOTED OTHERWISE
2. 5" REINFORCED CONCRETE SLAB
3. #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
4. 6" DENSE GRADED CRUSHED STONE
5. FINISH GRADE
6. 1/2" TOOLED EDGE
7. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

01 5" THK. TOP DECK SLAB
1 1/2" = 1'-0"



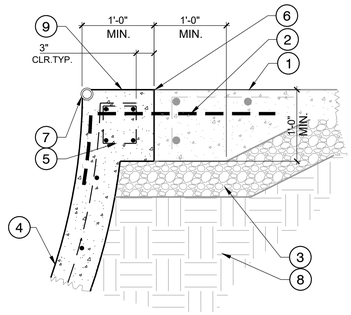
1. EDGE TREATMENT - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
2. EXPANSION JOINT, (TYP.)
3. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
4. REINFORCED DECK
5. 6" DENSE GRADED CRUSHED STONE
6. SHOTCRETE WALL WITH #3 REBAR AT 12" O.C. BOTH WAYS TYP.
7. BASE OF BOND BEAM TO FOLLOW DECK PROFILE
8. EXTENSION REINFORCING: #3 AT 12" O.C., VERTICAL (CONT), TYP. #4 AT 12" O.C., HORIZONTAL, TYP.
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

02 TYP. TRANSITION TO WALL
1/2" = 1'-0"



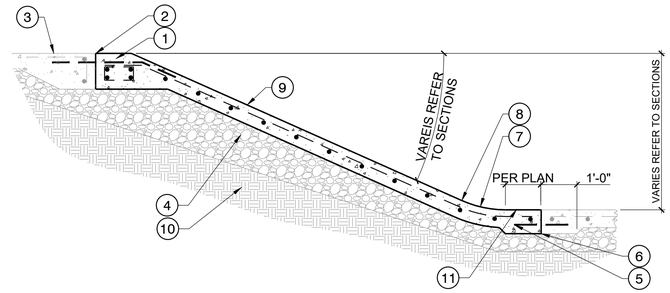
1. EXPANSION JOINT WITH POLYURETHANE ELASTOMERIC SEALANT, (TYP)
2. REINFORCED TOP DECK
3. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
4. 6" DENSE GRADED CRUSHED STONE
5. 6" SHOTCRETE WALL WITH REBAR #3 @ 12" O.C.
6. RADIUS VARIES REFER TO SECTIONS
7. EXTENSION REINFORCING: #3 @ 12" O.C. VERTICAL (CONT.) TYP. #4 @ 12" O.C. HORIZONTAL TYP.
8. EDGE TREATMENT - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

03 TYP. BANK TO WALL
1/2" = 1'-0"



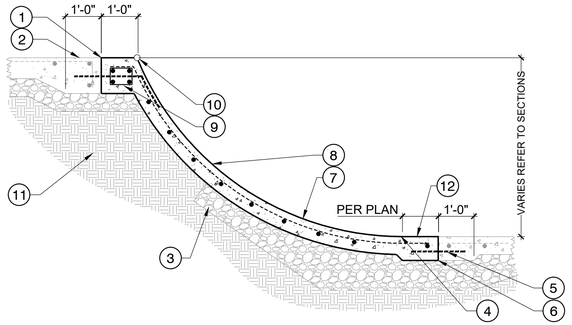
1. REINFORCED TOP DECK
2. REBAR #3 12" / 2'-6" @ 12" O.C.
3. 6" DENSE GRADED CRUSHED STONE
4. 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" BOTH WAYS
5. BOND BEAM WITH (4) #3 CONT. REBAR & #3 TIES AT 18" O.C.
6. 1/8" TOOLED JOINT BOTH SIDES
7. COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
8. GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
9. SLOPE/GRADE OF BOND BEAM SURFACE TO BE CONSISTENT WITH SLOPE/GRADE OF ADJACENT TOP DECK

04 TYP. BOND BEAM
1" = 1'-0"



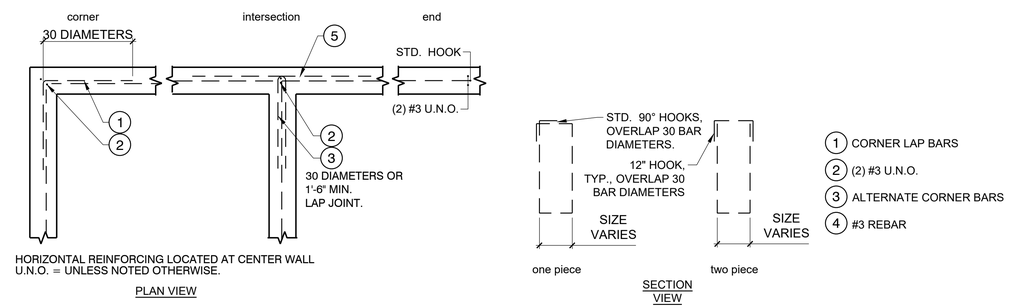
1. BOND BEAM, SEE 04/SP5.01
2. CONSTRUCTION JOINT AT BOND BEAM
3. REINFORCED TOP DECK
4. 6" DENSE GRADED CRUSHED STONE
5. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
6. CONSTRUCTION JOINT AT REINFORCED DECK
7. RADIUS VARIES, REFER TO SECTIONS
8. POINT OF TANGENCY
9. 6" CAST IN PLACE BANK WITH REBAR #3 @ 12" O.C. BOTH WAYS
10. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
11. SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

05 TYP. CAST IN PLACE BANK
1/2" = 1'-0"



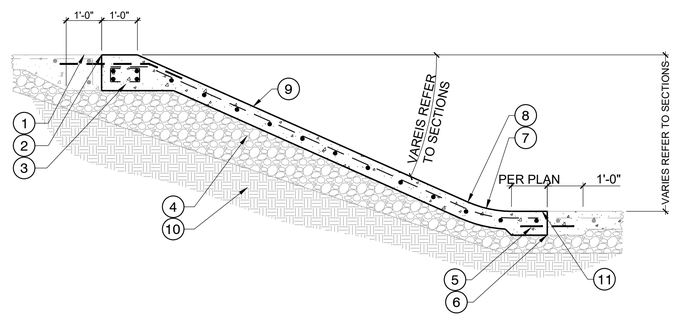
1. CONSTRUCTION JOINT AT BOND BEAM
2. REINFORCED TOP DECK
3. 6" DENSE GRADED CRUSHED STONE
4. POINT OF TANGENCY
5. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
6. CONSTRUCTION JOINT AT REINFORCED DECK
7. RADIUS VARIES, REFER TO SECTIONS
8. 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" O.C. BOTH WAYS, TYP.
9. BOND BEAM, SEE 04/SP5.01
10. COPING - REFER TO MATERIAL PLAN FOR TYPE & LOCATION
11. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
12. SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

06 TYP. SHOTCRETE BOWL & QUARTER PIPE
1/2" = 1'-0"



1. CORNER LAP BARS
2. (2) #3 U.N.O.
3. ALTERNATE CORNER BARS
4. #3 REBAR

08 TYP. CONCRETE REINFORCEMENT
NOT TO SCALE



1. BOND BEAM, SEE 04/SP5.01
2. CONSTRUCTION JOINT AT BOND BEAM
3. REINFORCED TOP DECK
4. 6" DENSE GRADED CRUSHED STONE
5. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
6. CONSTRUCTION JOINT AT REINFORCED DECK
7. RADIUS VARIES, REFER TO SECTIONS
8. POINT OF TANGENCY
9. 6" SHOTCRETE BANK WITH REBAR #3 @ 12" O.C. BOTH WAYS
10. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
11. SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

07 TYP. SHOTCRETE BANK
1/2" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
MARK VAN DOREN
2553
STATE OF TEXAS
2023-08-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

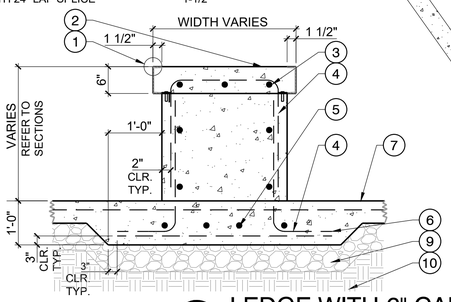
SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

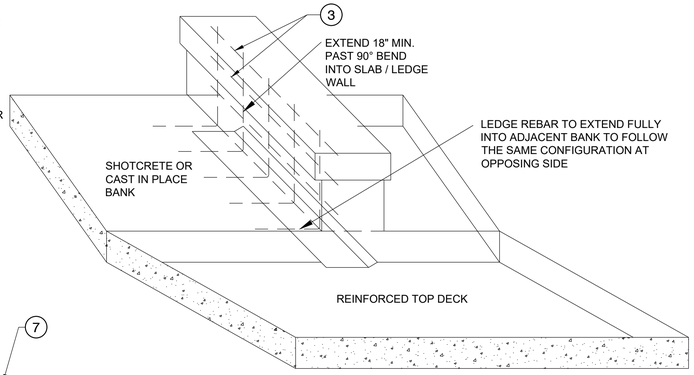
PHASE:
BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SP5.01

1. C-CHANNEL EDGING WITH TABS AND EXPANSION ANCHORS, 05/SP5.02
2. STEEL TROWEL FINISH
3. #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE CONTINUOUS WITH 24" LAP SPLICE
4. #4 HOOK DOWELS SPACED PER @ 12" O.C.
5. #4 BARS @ 12" O.C. HORIZONTAL CONTINUOUS WITH 24" LAP SPLICE
6. #4 @ 12" O.C. (TYP.) SUPPORT BARS
7. REINFORCED TOP DECK, REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
8. 6" DENSE GRADED CRUSHED STONE
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

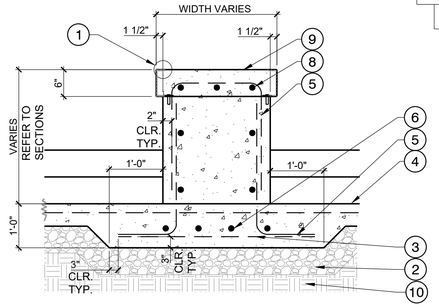


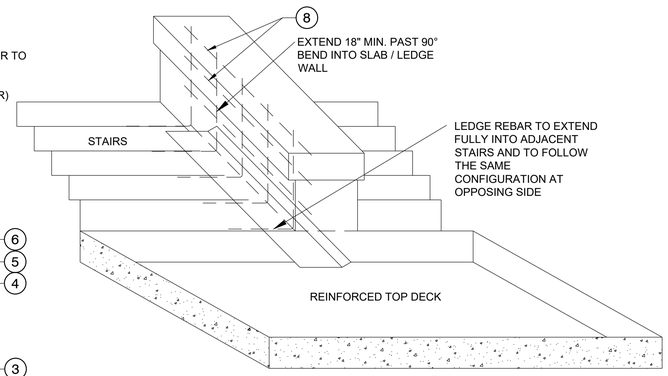


ISOMETRIC VIEW
FOR GRAPHIC PURPOSES ONLY
(NOT TO SCALE)

01 LEDGE WITH 6" CAP ON THICKENED TOP DECK / BANK
3/4" = 1'-0"

1. C-CHANNEL EDGING WITH TABS AND EXPANSION ANCHORS, 05/SP5.02
2. 6" DENSE GRADED CRUSHED STONE
3. #4 @ 12" O.C. (TYP.) SUPPORT BARS
4. #4 HOOK DOWELS SPACED @ 12" O.C.
5. REINFORCED TOP DECK
6. #4 BARS @ 12" CONTINUOUS WITH 24" LAP SPLICE
7. #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE CONTINUOUS WITH 24" LAP SPLICE
8. STEEL TROWEL FINISH
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

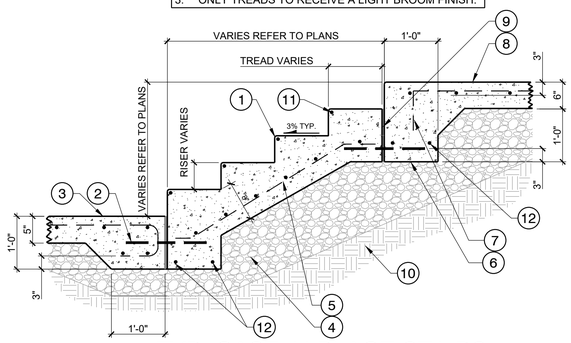




ISOMETRIC VIEW
FOR GRAPHIC PURPOSES ONLY
(NOT TO SCALE)

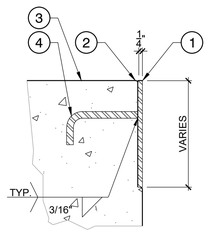
02 LEDGE WITH 6" CAP ON THICKENED STAIRS
3/4" = 1'-0"

NOTE:
1. REFER TO PLAN FOR STEP LOCATION.
2. CONTRACTOR TO ADJUST TOP AND BOTTOM TREAD, AND NUMBER OF RISERS AS PER PLAN.
3. ONLY TREADS TO RECEIVE A LIGHT BROOM FINISH.



1. TREAD, WITH 1/2" TOOLED RADIUS NOSE AND REBAR CONT.
2. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
3. REINFORCED TOP DECK (FIRST POUR)
4. 6" DENSE GRADED CRUSHED STONE
5. REBAR #4 @ 12" O.C. BOTH WAYS
6. TURNDOWN WALL, SEE 02/SP5.04
7. REBAR #3 CONT.
8. REINFORCED TOP DECK
9. 1/2" EXPANSION JOINT, TYP.
10. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
11. #4 REBAR AT NOSE OF STAIRS, TYP.
12. (2) #4 REBAR CONT.

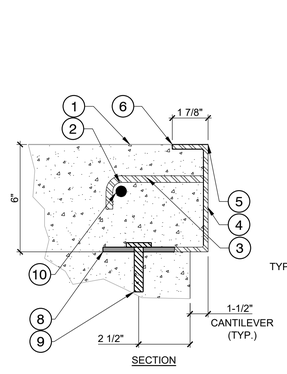
03 TYP. CAST IN PLACE STAIRS
3/4" = 1'-0"



1. 1/4" THK. CUSTOM CUT STEEL PLATE WELDED TO C-CHANNELS AT STAIR RISERS
2. 1/ 8" TOOLED JOINT, CONTINUOUS ALONG PLATE (TOP & BOTTOM) FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
3. CONCRETE STEP / BANK
4. 4" X 3/8" MIN. ANCHOR BOLT OR NELSON STUD STAGGERED @ 6" O.C. WELDED TO PLATE

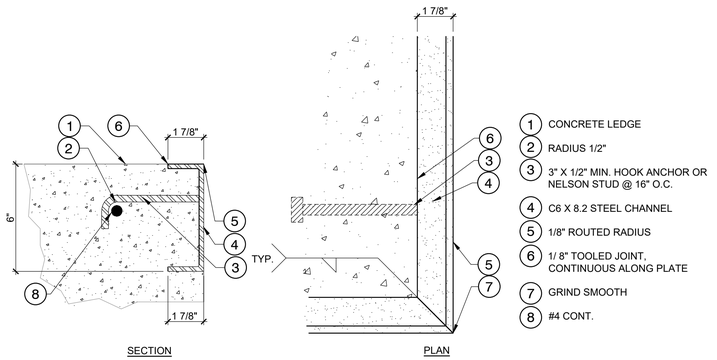
NOTES:
1. CUSTOM CUT STEEL PLATE TO FOLLOW PROFILE OF STAIRS / BANK.
2. STEEL PLATE TO BE MIN. 2" BELOW ADJACENT CONCRETE SURFACE.

04 CUSTOM CUT STEEL PLATE
NOT TO SCALE



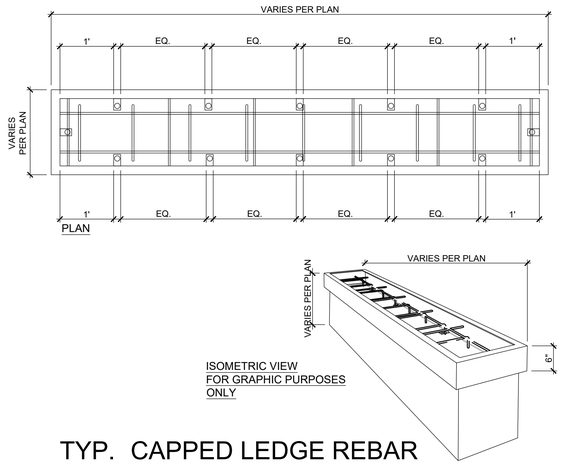
1. CONCRETE LEDGE
2. RADIUS 1/2"
3. 3" X 1/2" MIN. HOOK ANCHOR OR NELSON STUD @ 16" O.C.
4. C6 X 8.2 STEEL CHANNEL
5. 1/8" ROUTED RADIUS
6. 1/ 8" TOOLED JOINT, CONTINUOUS ALONG PLATE
7. GRIND SMOOTH
8. 2" X 4" MOUNTING BRACKET / WELD TAB
9. 1/2" X 2 -1/2" EXPANSION ANCHOR @ 24" O.C.
10. #4 CONT.

05 6" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS
NOT TO SCALE



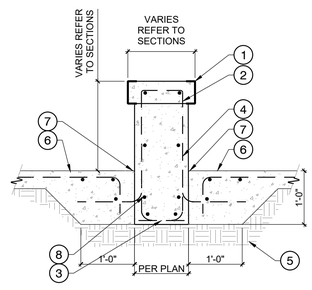
1. CONCRETE LEDGE
2. RADIUS 1/2"
3. 3" X 1/2" MIN. HOOK ANCHOR OR NELSON STUD @ 16" O.C.
4. C6 X 8.2 STEEL CHANNEL
5. 1/8" ROUTED RADIUS
6. 1/ 8" TOOLED JOINT, CONTINUOUS ALONG PLATE
7. GRIND SMOOTH
8. #4 CONT.

06 6" C-CHANNEL EDGING
NOT TO SCALE



ISOMETRIC VIEW
FOR GRAPHIC PURPOSES
ONLY

07 TYP. CAPPED LEDGE REBAR AND EDGING LAYOUT
NOT TO SCALE



1. C-CHANNEL EDGING PER METAL MATERIALS PLAN
2. #4 REBAR HORIZONTAL @ 12" O.C., TYP.
3. #4 REBAR AT 12" O.C., TYP.
4. #4 VERT. REBAR AT 24" O.C.
5. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
6. SKATE PARK TOP DECK
7. CONSTRUCTION JOINT
8. #4 HORIZ. REBAR, CONT.

08 ALTERNATIVE LEDGE CONSTRUCTION
3/4" = 1'-0"

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Edgewater, FL 32132 F 604.530.1119
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REGISTERED LANDSCAPE ARCHITECT
Mark Van der Mark
2553
STATE OF TEXAS
2021-05-07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

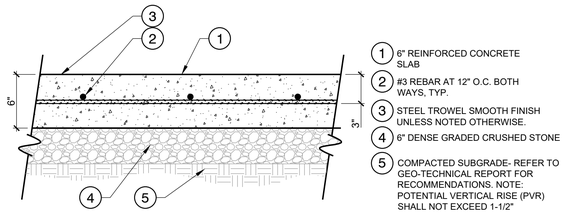
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

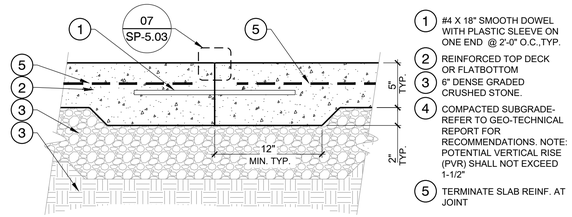
SHEET NUMBER: SP5.02



1. 6" REINFORCED CONCRETE SLAB
2. #3 REBAR AT 12" O.C. BOTH WAYS, TYP.
3. STEEL TROWEL SMOOTH FINISH UNLESS NOTED OTHERWISE.
4. 6" DENSE GRADED CRUSHED STONE
5. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

01 FLATBOTTOM SLAB (6" THK.)

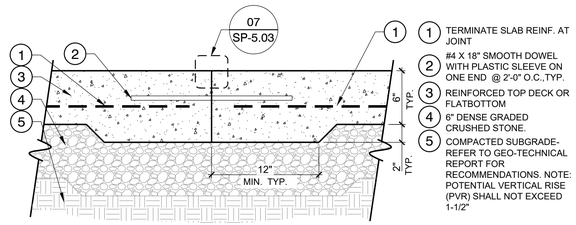
1 1/2" = 1'-0"



1. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
2. REINFORCED TOP DECK OR FLATBOTTOM
3. 6" DENSE GRADED CRUSHED STONE.
4. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
5. TERMINATE SLAB REINF. AT JOINT

02 CONSTRUCTION JOINT AT 5" SLAB

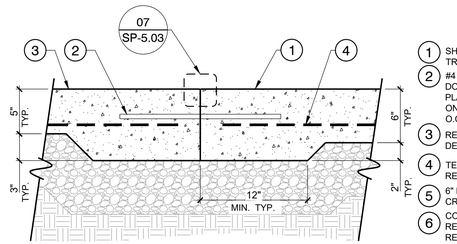
1 1/2" = 1'-0"



1. TERMINATE SLAB REINF. AT JOINT
2. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
3. REINFORCED TOP DECK OR FLATBOTTOM
4. 6" DENSE GRADED CRUSHED STONE.
5. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

03 CONSTRUCTION JOINT AT 6" SLAB

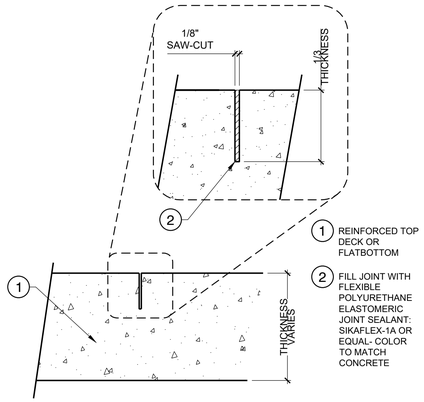
1 1/2" = 1'-0"



1. SHOTCRETE BANK OR TRANSITION
2. #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
3. REINFORCED TOP DECK
4. TERMINATE SLAB REINF. AT JOINT
5. 6" DENSE GRADED CRUSHED STONE.
6. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

04 CONSTRUCTION JOINT AT 5" TO 6" SLAB

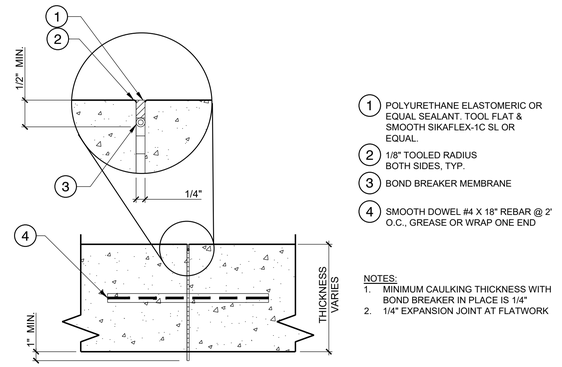
1 1/2" = 1'-0"



1. REINFORCED TOP DECK OR FLATBOTTOM
2. FILL JOINT WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1A OR EQUAL- COLOR TO MATCH CONCRETE

05 SAW-CUT JOINT

NOT TO SCALE

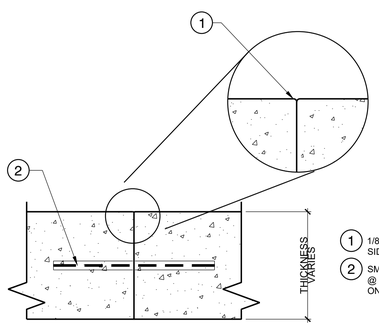


1. POLYURETHANE ELASTOMERIC OR EQUAL SEALANT. TOOL FLAT & SMOOTH SIKAFLEX-1C SL OR EQUAL.
2. 1/8" TOOLED RADIUS BOTH SIDES, TYP.
3. BOND BREAKER MEMBRANE
4. SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END

NOTES:
1. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/4"
2. 1/4" EXPANSION JOINT AT FLATWORK

06 EXPANSION JOINT AT FLATWORK

1 1/2" = 1'-0"



1. 1/8" TOOLED RADIUS BOTH SIDES, TYP.
2. SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END

07 CONSTRUCTION JOINT AT FLATWORK

NOT TO SCALE

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zalm 2553 STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

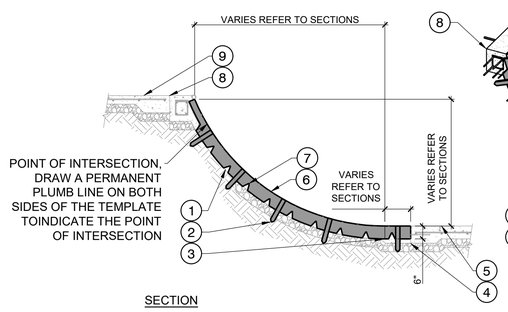
PHASE:
BID SET

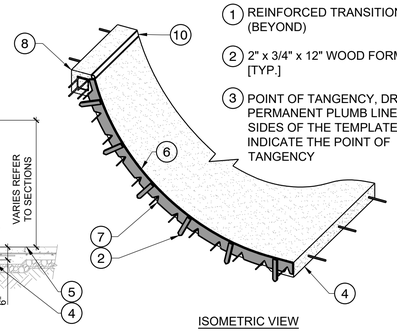
PROJECT NUMBER:
2022-21

DATE:
03-07-2023

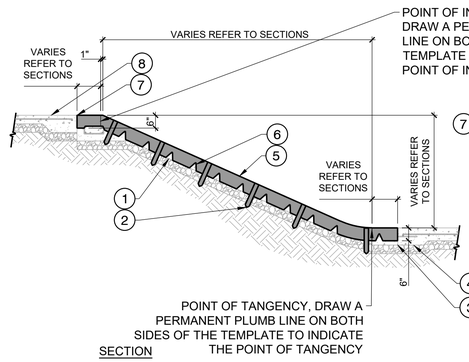
SHEET SIZE: 36x24

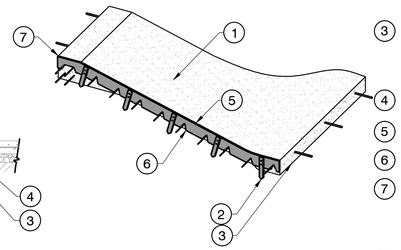
SHEET NUMBER:
SP5.03





1. REINFORCED TRANSITION (BEYOND)
2. 2" x 3/4" x 12" WOOD FORM STAKE [TYP.]
3. POINT OF TANGENCY, DRAW A PERMANENT PLUMB LINE ON BOTH SIDES OF THE TEMPLATE TO INDICATE THE POINT OF TANGENCY
4. CONSTRUCTION JOINT AT FLATBOTTOM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
5. REINFORCED FLAT BOTTOM
6. 3/4" x 6" PLYWOOD
7. "V" NOTCH FOR REBAR
8. CONSTRUCTION JOINT AT BOND BEAM, END OF TEMPLATE SHALL LINE UP WITH CONSTRUCTION JOINT
9. REINFORCED TOP DECK
10. COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE "STEEL PIPE COPING" DETAIL

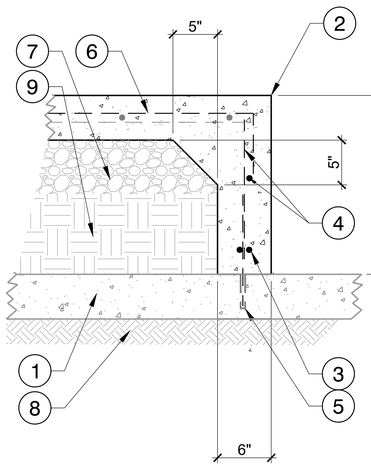




1. REINFORCED BANK (BEYOND)
2. 2" x 3/4" x 12" WOOD FORM STAKE [TYP.]
3. CONSTRUCTION JOINT AT FLATBOTTOM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
4. REINFORCED FLAT BOTTOM
5. 3/4" x 6" PLYWOOD
6. "V" NOTCH FOR REBAR
7. CONSTRUCTION JOINT AT BOND BEAM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
8. REINFORCED TOP DECK

01 TRANSITION STOP FORM

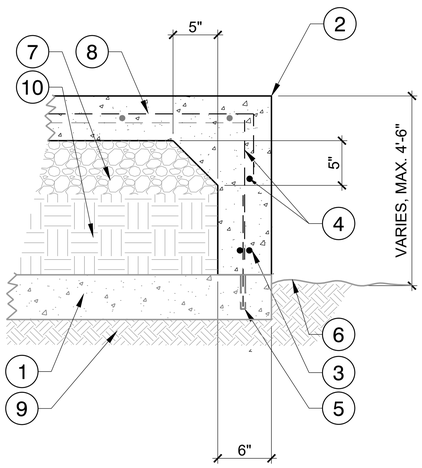
NOT TO SCALE



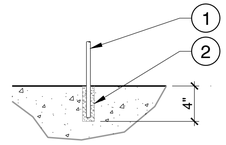
1. EXISTING SLAB, SAW CUT PER DEMOLITION PLAN
2. 1/2" CHAMFER AT CORNER
3. 2-#4 CONT. AT BOTTOM
4. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
5. #4 X 24" O.C. DRILL AND EPOXY REBAR @ 12" O.C., 4" EMBED. REFER TO EPOXY DETAIL 04/SP5.04.
6. 30" / 12" #4 DOWEL @ 12" O.C.
7. 6" DENSE GRADED CRUSHED STONE.
8. EXISTING COMPACTED SUBGRADE
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".

02 BANK STOP FORM

NOT TO SCALE



1. EXISTING SLAB, SAW CUT PER DEMOLITION PLAN
2. 1/2" CHAMFER AT CORNER
3. 2-#4 CONT. AT BOTTOM
4. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
5. #4 X 24" O.C. DRILL AND EPOXY REBAR @ 12" O.C., 4" EMBED. REFER TO EPOXY DETAIL 04/SP5.04.
6. EXISTING FINISHED GRADE / GRAVEL SURFACE
7. 6" DENSE GRADED CRUSHED STONE.
8. 30" / 12" #4 DOWEL @ 12" O.C.
9. EXISTING COMPACTED SUBGRADE
10. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".



1. EPOXY ANCHOR OR REBAR, HOT-DIPPED GALVANIZED.
2. EMBED AS SHOWN

EPOXY ANCHOR NOTES:

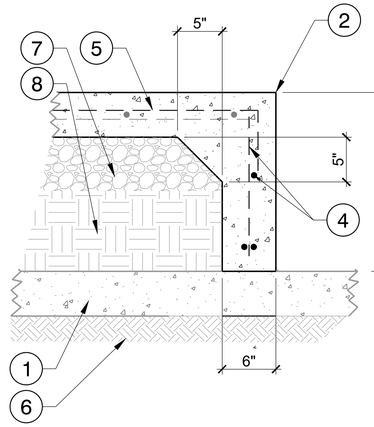
1. ADHESIVE ANCHORS SHALL CONSIST OF "ALL THREAD" OR DEFORMED REBAR WITH NUT, WASHER AND ADHESIVE.
2. THREADED ANCHOR RODS SHALL BE MANUFACTURED FROM: SAE 1018 MEETING THE MECHANICAL REQUIREMENTS OF ASTM A307, GRADE A APPLICATION.
3. REBAR SHALL BE GRADE 60 OR OTHER APPROVED MATERIAL. REBAR SHALL BE DEFORMED AND CAN BE COATED OR UNCOATED.
4. ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT 100% SOLIDS EPOXY BASED SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD CARTRIDGE AND DISPENSED THROUGH A STATIC-MIXING NOZZLE SUPPLIED BY THE MANUFACTURER. ADHESIVE SHALL BE SET-XP™ EPOXY-TIE ADHESIVE FROM SIMPSON STRONG-TIE, PLEASANTON, CA. ANCHORS SHALL BE INSTALLED PER SIMPSON STRONG-TIE'S INSTRUCTIONS FOR SET-XP EPOXY-TIE. (ICC-ESR-2508)

INSTALLATION NOTE:

ADHESIVE ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH CARBIDE BITS CONFORMING TO ANSI B212.15-1994. ANCHORS SHALL BE INSTALLED PER SPECIFICATIONS AND THE MANUFACTURERS PROCEDURES.

03 TURNDOWN WALL TIED TO EX. CONC. SLAB

1 1/2" = 1'-0"



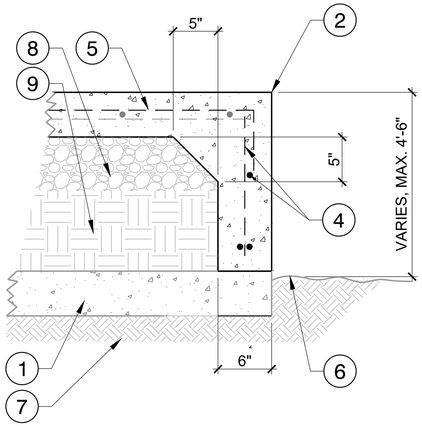
1. EXISTING SLAB, SAW CUT PER DEMOLITION PLAN
2. 1/2" CHAMFER AT CORNER
3. 2-#4 CONT. AT BOTTOM
4. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
5. 30" / 12" #4 DOWEL @ 12" O.C.
6. EXISTING COMPACTED SUBGRADE
7. 6" DENSE GRADED CRUSHED STONE.
8. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".

04 EPOXY DETAIL

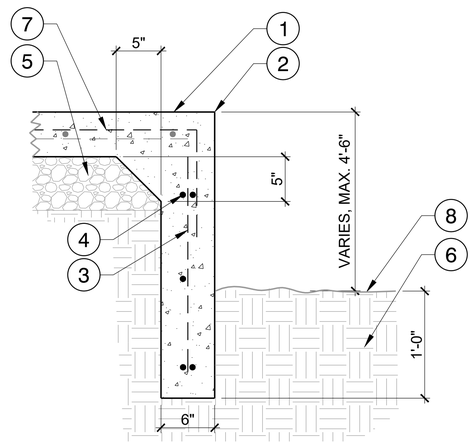
NOT TO SCALE

05 TURNDOWN WALL ON EX. CONC. SLAB

1 1/2" = 1'-0"



1. EXISTING SLAB, SAW CUT PER DEMOLITION PLAN
2. 1/2" CHAMFER AT CORNER
3. 2-#4 CONT. AT BOTTOM
4. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
5. 30" / 12" #4 DOWEL @ 12" O.C.
6. EXISTING FINISHED GRADE / GRAVEL SURFACE
7. EXISTING COMPACTED SUBGRADE
8. 6" DENSE GRADED CRUSHED STONE.
9. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".



1. REINFORCED TOP DECK
2. 1/2" CHAMFER AT CORNER
3. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
4. 2-#4 CONT. AT BOTTOM
5. 6" DENSE GRADED CRUSHED STONE.
6. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".
7. 24" / 12" #4 DOWEL @ 12" O.C.
8. FINISHED GRADE

06 TURNDOWN WALL ADJ TO GRADE

1" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zyl 2553 STATE OF TEXAS
2025-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

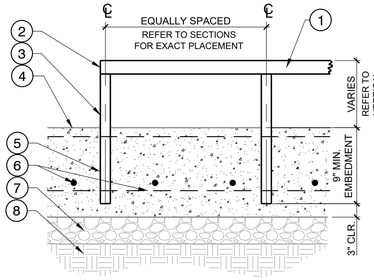
PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

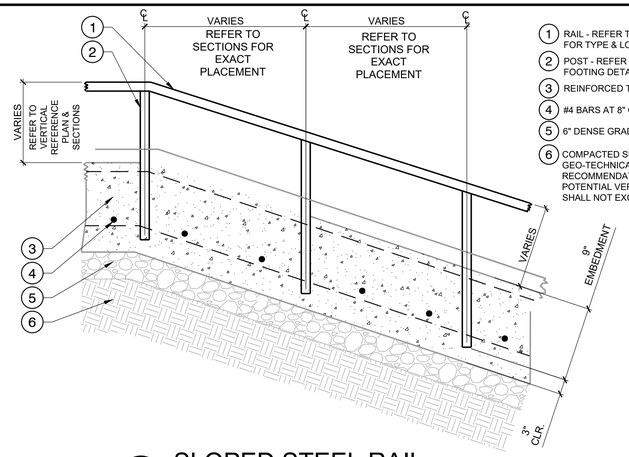
SHEET SIZE: 36x24

SHEET NUMBER: SP5.04



1. RAIL - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
2. WELD END PLATE AT ENDS, GRIND SMOOTH.
3. POST - REFER TO SKATE RAIL AND FOOTING DETAIL FOR TYPE
4. REINFORCED TOP DECK
5. REFER TO TYP. RAIL FOOTING DETAIL FOR REINFORCEMENT
6. #4 BARS AT 8" E.W. @ RAIL
7. 6" DENSE GRADED CRUSHED STONE.
8. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

01 FLAT STEEL RAIL
3/4" = 1'-0"

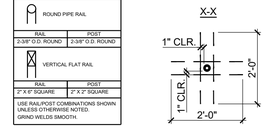


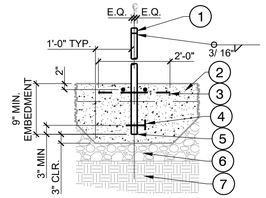
1. RAIL - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
2. POST - REFER TO SKATE RAIL AND FOOTING DETAIL FOR TYPE.
3. REINFORCED TOP DECK
4. #4 BARS AT 8" O.C.
5. 6" DENSE GRADED CRUSHED STONE.
6. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

02 SLOPED STEEL RAIL
3/4" = 1'-0"

rail/post chart	
ROUND PIPE RAIL	
RAIL	POST
2-3/8" O.D. ROUND	2-3/8" O.D. ROUND
VERTICAL FLAT RAIL	
RAIL	POST
2" X 8" SQUARE	2" X 2" SQUARE

USE RAIL/POST COMBINATIONS SHOWN UNLESS OTHERWISE NOTED.
GRIND WELDS SMOOTH.

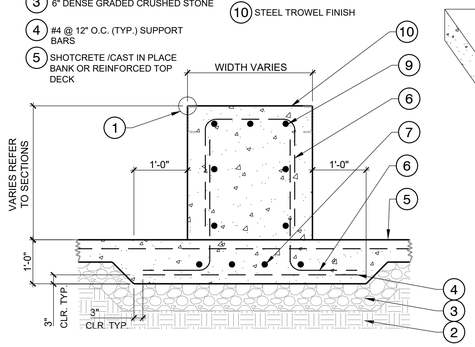


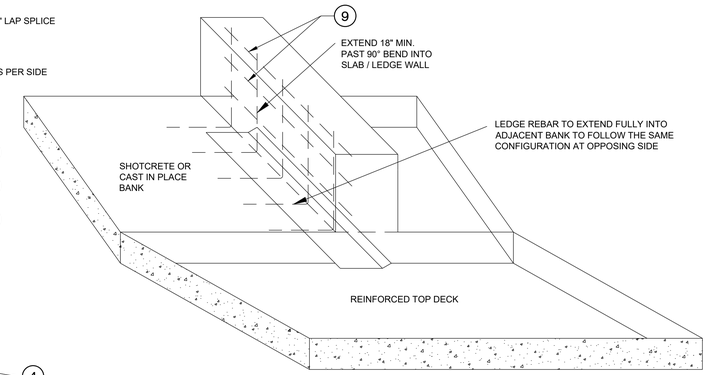


1. REINFORCED TOP DECK WITH CONTINUOUS DECK REINFORCING
2. CONTINUOUS TOP RAIL, VARIES REFER TO SKATE PARK MATERIALS PLAN FOR TYPE & LOCATION, WELD END PLATE, GRIND SMOOTH
3. STEEL POST, REFER TO RAIL / POST CHART
4. POSTS TO BE SURROUNDED BY REINFORCEMENT, SEE X-X
5. #3 x 4" REBAR, THROUGH OR WELDED TO POST
6. 6" DENSE GRADED CRUSHED STONE.
7. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

03 TYP. RAIL FOOTING
1/2" = 1'-0"

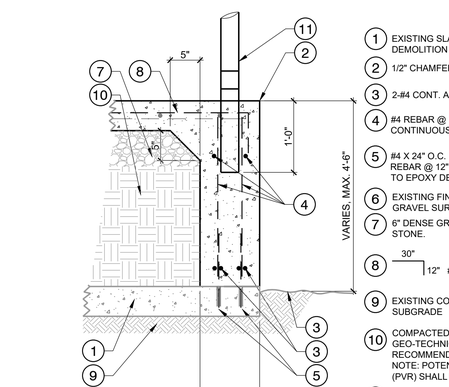
1. C-CHANNEL EDGING PER 07/SP5.02 UNLESS NOTED OTHERWISE ON METAL MATERIALS PLAN
2. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
3. 6" DENSE GRADED CRUSHED STONE
4. #4 @ 12" O.C. (TYP.) SUPPORT BARS
5. SHOTCRETE /CAST IN PLACE BANK OR REINFORCED TOP DECK
6. #4 HOOK DOWELS SPACED @ 12" O.C.
7. #4 BARS @ 12" CONTINUOUS WITH 24" LAP SPLICE
8. (NOT USED)
9. #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE CONTINUOUS WITH 24" LAP SPLICE
10. STEEL TROWEL FINISH





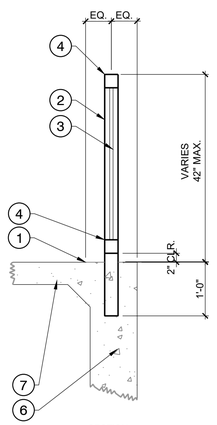
ISOMETRIC VIEW
FOR GRAPHIC PURPOSES ONLY
(NOT TO SCALE)

04 LEDGE (NO CAP) ON THICKENED TOP DECK / BANK
3/4" = 1'-0"

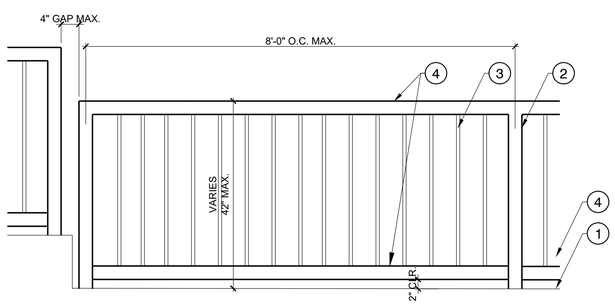


1. REINFORCED TOP DECK (SECOND POUR)
2. REINFORCED TOP DECK (FIRST POUR)
3. 2-#4 CONT. AT BOTTOM
4. 6" DENSE GRADED CRUSHED STONE.
5. (NOT USED)
6. REBAR #4 @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
7. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1-1/2".
8. (2) #4 CONT. HOOKED AT CORNERS

05 TURNDOWN WALL ON THICKENED TOP DECK
1" = 1'-0"



SECTION



ELEVATION

1. TOP OF WALL
2. 3" X 3" X 11 GA. SQUARE STEEL TUBE POST, FLAT CAP WELDED TO TOP ON ALL EXPOSED ENDS. CORE DRILL THROUGH CURB / RETAINING WALL AND EMBED MIN. 12".
3. 3/4" X 3/4" X 16 GA. SQUARE STEEL TUBE PICKETS SPACED 4-1/2" O.C. MAX. ,TYP. BETWEEN TOP AND BOTTOM RAILS.
4. 3" X 3" X 11 GA. SQUARE STEEL TUBE TOP AND BOTTOM RAIL, WELDED ON ALL EXPOSED ENDS.
5. 4-1/4" DIA. CORE X 12" DEEP MIN, FOR GUARDRAIL POST. FILL VOIDS WITH NON-SHRINK GROUT.
6. TURNDOWN WALL ON EX.SLAB, SEE 07/SP5.05
7. TOP DECK

NOTES:

1. GUARDRAIL SHALL MATCH PROFILE OF FINISHED DECK SURFACE AS MUCH AS POSSIBLE.
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INCLUDES ALL PROFILES FOR APPROVAL.
3. ALL JOINTS WELDED AND GROUND SMOOTH, TYP.
4. EPOXY SEAL ALL WELDED JOINTS.
5. ALL POST LOCATIONS TO BE APPROVED BY SKATE PARK DESIGNER PRIOR TO INSTALLATION.

06 42" HIGH SAFETY GUARDRAIL
3/4" = 1'-0"

1. EXISTING SLAB, SAW CUT PER DEMOLITION PLAN
2. 1/2" CHAMFER AT CORNER
3. 2-#4 CONT. AT BOTTOM
4. #4 REBAR @ 12" O.C. BOTH WAYS CONTINUOUS WITH 24" LAP SPLICE
5. #4 X 24" O.C. DRILL AND EPOXY REBAR @ 12" O.C., 4" EMBED. REFER TO EPOXY DETAIL 04/SP5.04.
6. EXISTING FINISHED GRADE / GRAVEL SURFACE
7. 6" DENSE GRADED CRUSHED STONE.
8. 30" / 12" #4 DOWEL @ 12" O.C.
9. EXISTING COMPACTED SUBGRADE
10. COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2".
11. SAFETY GUARDRAIL POST, SEE 06/SP5.05

07 TURNDOWN WALL WITH SAFETY GUARDRAIL
1" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT — Mark van der Merwe — 2553 — STATE OF TEXAS
2023-05-02

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY — TEXAS

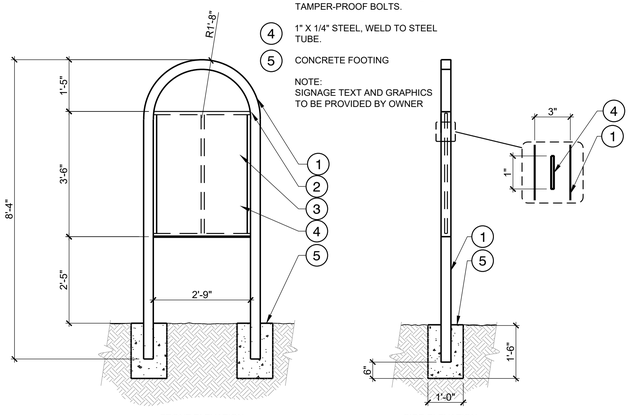
#	DATE	REVISION

SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

PHASE: BID SET

PROJECT NUMBER: 2022-21
DATE: 03-07-2023
SHEET SIZE: 36x24

SHEET NUMBER: SP5.05



FRONT ELEVATION SIDE ELEVATION

1. 3" DIA. TUBULAR STEEL POST. FINISH: GALVANIZED
2. 1" X 1/ 4" STEEL, WELD TO STEEL TUBE
3. 33" x 42" METAL SIGN IN .080 GAUGE ANCHORED ON STEEL PLATE WITH TAMPER-PROOF BOLTS.
4. 1" X 1/4" STEEL, WELD TO STEEL TUBE.
5. CONCRETE FOOTING

NOTE:
SIGNAGE TEXT AND GRAPHICS TO BE PROVIDED BY OWNER

01 TYP. SKATE PARK RULES & REGULATIONS SIGN

1/2" = 1'-0"

1. THE SKATE PARK IS A SKATE-AT-YOUR-OWN RISK FACILITY. THIS IS A NON-SUPERVISED FACILITY DESIGNED FOR SKATEBOARDING (34" MAXIMUM LENGTH) AND IN-LINE SKATING (NO SPEED SKATES) ONLY.
2. SKATEBOARDING AND IN-LINE SKATING ARE HIGH RISK ACTIVITIES. PROTECTIVE EQUIPMENT SHOULD BE USED AT ALL TIMES. USE OF THIS PARK MAY EXPOSE THE USER TO SERIOUS INJURY INCLUDING BROKEN BONES, PARALYSIS OR DEATH.
3. INSPECT THE SKATING SURFACES BEFORE YOU BEGIN, AND REMOVE ANY TRASH, DEBRIS OR OBJECTS THAT MAY PREVENT A SMOOTH , SAFE RIDE. DO NOT SKATE IF THERE IS DAMAGE TO THE SKATING SURFACE. REPORT ANY FACILITY DAMAGE IMMEDIATELY TO THE COUNTY .
4. KNOW YOUR ABILITY AND SKATE ACCORDINGLY.
5. NO SKATING WHEN WET, RAINING OR DURING ROUTINE MAINTENANCE PERIODS.
6. BICYCLES, MOTORIZED VEHICLES, GO-PEDS, ROLLERSKATES, OR OTHER WHEELED DEVICES ARE NOT PERMITTED IN THE SKATE PARK.
7. THIS IS A NON-ACCESSIBLE FACILITY. ADDITIONAL RAMPS, JUMPS OR OBSTACLES ARE NOT ALLOWED IN THE SKATE PARK. NO MODIFICATIONS TO THE SKATING SURFACE OR FEATURES ARE ALLOWED. NO SKATING ON PARK STRUCTURES NOT SPECIFICALLY DESIGNED FOR THAT PURPOSE.
8. SKATE PARK HOURS OF OPERATION: DAWN TO DUSK.
9. SKATING ALLOWED ONLY DURING POSTED PARK HOURS.
10. FOOD, BEVERAGES, & SMOKING PROHIBITED INSIDE THE SKATE PARK.
11. ORGANIZED EVENTS REQUIRE THE PRIOR APPROVAL OF THE COUNTY .
12. NO SKATING ON CURBS, DRIVEWAYS, OR PARKING LOTS.
13. THIS IS A DRUG-FREE/ ALCOHOL FREE RECREATION AREA.
14. ABUSIVE, PROFANE OR FOUL LANGUAGE, OR AGGRESSIVE BEHAVIOR WILL NOT BE TOLERATED.
15. NO PETS ALLOWED IN THE SKATE PARK.
16. FAILURE TO ADHERE TO SKATE PARK AND PARK REGULATIONS CAN RESULT IN LOSS OF FACILITY PRIVILEGES AND/ OR CITATION.

02 TYP. SKATE PARK SIGN RULES & REGULATIONS

NOT TO SCALE

Imperial

Round		Square		Rectangular	
Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	HSS 2.375 x 0.1875	2" X 2"	HSS 2.000 x 2.000 x 0.1875	2" X 3"	HSS 2.000 x 3.000 x 0.1875
2-1/2"	HSS 2.875 x 0.1875	3" X 3"	HSS 3.000 x 3.000 x 0.1875	2" X 6"	HSS 2.000 x 6.000 x 0.1875
3"	HSS 3.500 x 0.1875	3-1/2" X 3-1/2"	HSS 3.500 x 3.400 x 0.1875	2" X 8"	HSS 2.000 x 8.000 x 0.1875
3-1/2"	HSS 4.000 x 0.1875	4" X 4"	HSS 4.000 x 4.000 x 0.1875	2-1/2" X 4"	HSS 2.500 x 4.000 x 0.1875
4"	HSS 4.500 x 0.1875			3" X 5"	HSS 3.000 x 5.000 x 0.1875

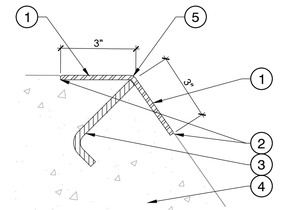
Metric

Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	6.03cm x 4.76mm	2" X 2"	5.08cm x 5.08cm x 4.76mm	2" X 3"	5.08cm x 7.62cm x 4.76mm
2-1/2"	7.30cm x 4.76mm	3" X 3"	7.62cm x 7.62cm x 4.76mm	2" X 6"	5.08cm x 15.24cm x 4.76mm
3"	8.89cm x 4.76mm	3-1/2" X 3-1/2"	8.89cm x 8.89cm x 4.76mm	2" X 8"	5.08cm x 20.32cm x 4.76mm
3-1/2"	10.16cm x 4.76mm	4" X 4"	10.16cm x 10.16cm x 4.76mm	2-1/2" X 4"	6.35cm x 10.16cm x 4.76mm
4"	11.43cm x 4.76mm			3" X 5"	7.62cm x 12.70cm x 4.76mm

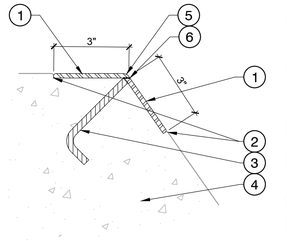
NOTE:
ALL HOLLOW STRUCTURAL SECTIONS (HSS) TO BE ASTM A-500 GRADE

03 BENT PLATE

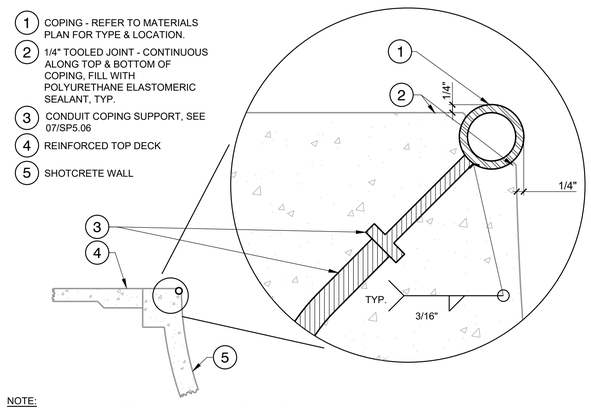
NOT TO SCALE



1. 6" x 1/4" THK. BENT PLATE, BANK ANGLE VARIES. REFER TO SECTIONS
2. 1/8" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
3. 4" X 3/8" MIN. HOOK ANCHOR OR NELSON STUD @ 12" O.C.
4. SHOTCRETE BANK/ TRANSITION/ LEDGE
5. 1/8" ROUTED RADIUS



1. 1/4" THK. FABRICATED PLATE, BANK ANGLE VARIES. REFER TO SECTIONS
2. 1/8" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
3. 4" X 3/8" MIN. HOOK ANCHOR OR NELSON STUD @ 12" O.C.
4. SHOTCRETE BANK/ TRANSITION/ LEDGE
5. 1/8" ROUTED RADIUS
6. WELD PLATES AT SEAM DIRECTLY BENEATH TOP PLATE



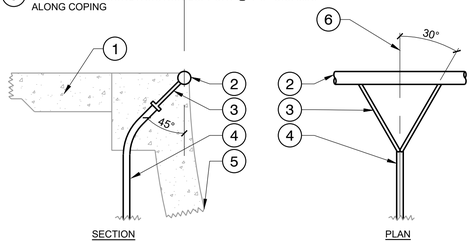
1. COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
2. 1/4" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
3. CONDUIT COPING SUPPORT, SEE 07/SP5.06
4. REINFORCED TOP DECK
5. SHOTCRETE WALL

NOTE:
1. WELD & GRIND SMOOTH END CAPS WHERE PIPE ENDS ARE EXPOSED. NO OPEN PIPES, OR CONCRETE FILLED CAPS WILL BE ACCEPTED.

04 ROUND COPING

NOT TO SCALE

1. REINFORCED TOP DECK
2. COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE "STEEL PIPE COPING" DETAIL
3. 1/2" X 4" NELSON STUD AT 18" O.C.SECURE TO COPING WITH 3/16" FILLET WELD ALL AROUND.
4. 3/4" GALV. STEEL CONDUIT, HAMMERED STRAIGHT DOWN 4'-0" MIN. INTO COMPACTED SUB-BASE, THEN BENT AND WELDED TO STUDS
5. SHOTCRETE WALL
6. PLACE COPING CONSTRUCTION SUPPORT @ 4'-0"' O.C. MIN. ALONG COPING



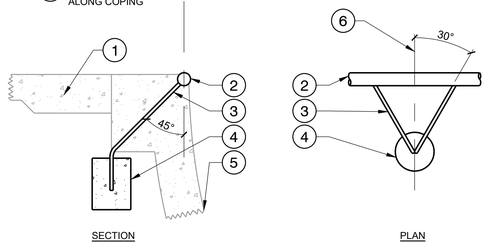
SECTION PLAN

(A) STEEL CONDUIT

05 STEEL SHAPES CHART

NOT TO SCALE

1. REINFORCED TOP DECK
2. COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE "STEEL PIPE COPING" DETAIL
3. #4 REBAR SUPPORT, WELDED TO THE LOWER BACK SIDE OF THE COPING
4. 6" DIA. X 8" CONCRETE FOOTING
5. SHOTCRETE WALL
6. PLACE COPING CONSTRUCTION SUPPORT @ 4'-0"' O.C. MIN. ALONG COPING

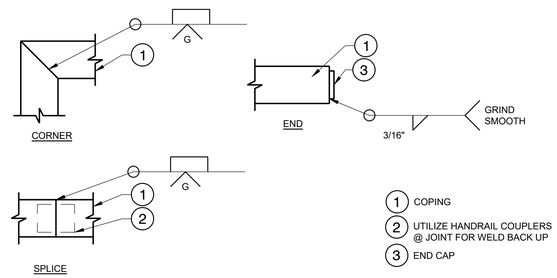


SECTION PLAN

(B) CONCRETE FOOTING

06 CUSTOM FABRICATED ANGLED PLATE

NOT TO SCALE



1. COPING
2. UTILIZE HANDRAIL COUPLERS @ JOINT FOR WELD BACK UP
3. END CAP

07 COPING SUPPORT OPTIONS

NOT TO SCALE

08 TYP. COPING JOINTS

NOT TO SCALE

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REGISTERED LANDSCAPE ARCHITECT Mark van der Zalm 2553 STATE OF TEXAS
2023.03.07

EL PASO COUNTY SKATE PARKS RENOVATION

EL PASO COUNTY TEXAS

#	DATE	REVISION

SHEET TITLE:
SKATE PARK CONSTRUCTION DETAILS

PHASE: BID SET

PROJECT NUMBER: 2022-21

DATE: 03-07-2023

SHEET SIZE: 36x24

SHEET NUMBER: SP5.06