# ROLANDO PARK BALLPARK RESTORATION

6600 Vigo Drive LA MESA, CALIFORNIA Bid #22-09

## **PROJECT GENERAL NOTES**

- ALL LOCAL, MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCOPPORTATE INTO AND MADE A PART OF THE PROJECT SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS AND REQUIREMENTS.
- ALL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE. ICC-300-2017 FOR SPECIAL STANDARDS FOR ACCESSIBILITY AND 2019 CALIFORNIA FIRE CODE AND THE CITY OF LA MESA MUNICIPAL CODE AMENDMENTS LMMC 14.10.010 AND 11.04.020.
- MUNICIPAL CODE AMENDMENT'S LIMIX C 14 1010 AND 11 04 020.

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  RESPONSIBILITY FOR JOB SIT CONDITIONS DURING THE COURSE
  OF CONSTRUCTION OF THIS PROJECT, MICLIUMNO SMETY OF ALL
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  THE PERFORMANCE OF WORK OF THIS PROJECT, EXCEPTING FOR
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  OF THE LABBLOT ARRIVED ARE HELD CONNECTION WITH
- THE CONTRACTOR AGREES TO HOLD THE LANDSCAPE ARCHITECT HARMLESS FROM ANY CLAIMS ARISING OUT OF HIS OPERATIONS OR THE OPERATIONS OR THE OPERATIONS OR ANY OF HIS SUBCONTRACTORS, MATERIALS SUPPLIERS, OR AGENTS.
- MA LEMAIS SUPPLIERS, OR AGENTS.
  THE CONTRACT CRANNINGS REPRESENT THE FINISHED CONSTRUCTION AND DO NOT NOICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL FOR STAULTURES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MANIFEMANCE OF ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING.
- 6 THE CONTRACTOR SHALL VERIEV THE LOCATIONS OF ALL-EXISTING THE COM MACTOR SHALL VEHILY THE LOCATIONS OF ALL-EXISTIN AND NEW UTILITIES, STRUCTURES, AND SERVICES BEFORE WORK THE LOCATIONS AND EXTENT OF UTILITIES, STRUCTURES AND SERVICES AND SERVICES APPROXIMATE ONLY UNDERGROUND UTILITIES OR FACILITIES MAY EXIST THAT HAVE MOST SERVICES SHOPPING AND SERVICES OF A COLUMN SERVICES. NOT BEEN RECORDED OR REPORTED.
- NOT BEEN RECORDED OR REPORTED.

  THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.

  LANDSCAPING, AND FEATURES TO REMAIN ON AND ADJACENT TO,

  THE PROLECT SITE DURING CONSTRUCTION. CONTRACTOR SHALL

  REPAIR, AT HIS OWN EXPENSE, ALL DAMAGE RESULTING FROM HIS

  OPERATIONS ON REGUIGENCE.
- IN AN EMERGENCY THREATENING THE SAFETY OF LIFE, WORK OR ADJOINING PROPERTY, THE CONTRACTOR IS HEREBY INSTRUCTED TO ACT AT HIS DISCRETION TO PREVENT SUCH LOSS OR INJURY.
- 9. ANY DISCREPANCIES OR OMISSIONS IN THE PLANS SHALL BE ANY DISCREPANCIES OR OMISSIONS IN THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE OWNER AND THE LANDSCAPE ACCHITECT, MAY DISCREPANCIES BETWEEN THE FIELD ACCHITECT, MAY DISCREPANCIES BETWEEN THE FIELD ACCHITECT, MAY DISCREPANCIES BETWEEN THE FIELD ACCHITECT AND DISCREPANCIES BETWEEN THE OWNER AND THE LANDSCAPE ACCITECT SHALL BE REPORTED TO THE OWNER AND THE LANDSCAPE ACCITECT THE OWNER AND THE AND THE ACCITECT AND THE ACCITECT AND THE OWNER AND THE ACCITECT AND T
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  OF SHALL WE SHE AND VERIFY ALL
  DIMENSIONS PROPE TO SUBMITTIES A BID PERMITS FOR ANY
  CONSTRUCTION DEPICTED IN THESE PLANS SHALL BE OBTAINED
  BY THE CONTRACTOR AT NO FEE.
- BY THE CUNTINGTOR AT NO FEE.

  11. CONTRACTOR SHALL CLASS B LICENSE FOR THE WORK AS REQUIRED BY THE STATE OF CALIFORNIA AND SHALL POSSESS A CITY BUSINESS LICENSE REQUIRED FOR THE PARTICULAR WORK BEING DONE. CONTRACTOR SHALL NOT ALLOW LICENSES TO LASSE DURINGS THE CONTRACT PERIOD.
- DO NOT SCALE ANY DRAWING IN THIS SET. ALL WRITTEN
  DIMENSIONS SHALL TAKE PRECEDENCE OVER THE SCALE SHOWN
  ON THE PLANS, SECTIONS, AND DETAILS.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT BEFORE START OF CONSTRUCTION (2 WORKING DAYS BEFORE
- 14. THE CONTRACTOR IS REQUIRED TO SUBMIT ITEMS LISTED IN THE THE CONTRACTOR IS REQUIRED TO SUBMIT ITEMS LISTED IN THE SPECIFICATIONS SUBMITTAL SUBSECTIONS TO THE CITY'S PROPERTY OF THE SITE AND PROCEEDING WITH CONSTRUCTION. THE DETERMINATION OF "EQUAL" SUBSTITUTIONS SHALL BE MADE ONLY BY THE PROJECT LANDSCAPE ARCHITECT AND ARE SUBJECT TO APPROVAL BY THE OWNER PRIDIOT TO INSTALLATION.
- 15. ALL MATERIALS AND PRODUCTS SHALL BE NEW.
- 16. ANY AND ALL CHANGES TO THE LANDSCAPE CONSTRUCTION PLANS AS A RESULT OF CONSTRUCTION OR VALUE ENGINEERING SHALL BE DOCUMENTED AND SUBMITTED BY THE CONTRACTOR TO THE CONTRACTOR TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO WORK BEING

- PERFORMED, ONCE ACCEPTED, THE CONTRACTOR IS REQUIRED TO DOCUMENT THE APPROVED CHANGES ON AN AS-BUILT SET OF DRAWINGS TO SE MAINTAINED ON-SITE DURING CONSTRUCTION AND SUBMITTED TO THE OWNER AND LANDSCAPE ARCHITECT AT THE COMPLETION OF THE PROJECT.
- NO REVISIONS OR CHANGES SHALL BE MADE TO THESE PLANS WITHOUT REVIEW AND WRITTEN APPROVAL OF THE OWNER AND THE LANDSCAPE ARCHITECT THROUGH AN RFI REQUEST FOR INFORMATION' SUBMITTED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY WITH THE OWNER AND THE LANDSCAPE ARCHITECT THAT THE PLANS TO BE USED FOR CONSTRUCTION ARE CURRENT AND APPROVED.
- 19. SITE OBSERVATIONS SHALL INCLUDE, BUT NOT BE LIMITED TO: 19.1. ROUGH GRADING, DRAINAGE AND SLEEVE CERTIFICATION.
- 19.2 HARDSCAPE STAKING AND LAYOUT
- 19.2. FINISH GRADING AND SOIL PREPARATION

  19.4. CONSTRUCTION COMPLETION AND PUNCH LIST (START OF THE MAINTENANCE PERIOD).
- 19.5. FINAL WALK THROUGH, ACCEPTANCE BY OWNER INITIAL WRITTEN OWNER APPROVAL AND COMPLETION OF PUNCH LIST ITEMS.
- 21. ALL DRAWINGS AND MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL. AND UNPUBLISHED WORK OF THE LANDSCAPE ARCHITECT AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF DELORENZO
- CONTRACTOR IS RESPONSIBLE TO LOCATE UTILITIES IF IT IS NOT COVERED BY DIG ALERT..

DIAL TOLL FREE 1-800-227-2600



# **VICINITY MAP**

NO SCALE



# LOCATION MAP

NO SCALE

# SHEET INDEX

LT-00 TITLE SHEET 9393.01 LC-01 CONSTRUCTION PLAN 9393.04 LC-03 CONSTRUCTION DETAILS LC-04 CONSTRUCTION SPECIFICATIONS
GN GENERAL REQUIREMENTS S101 FOUNDATION PLAN SD.1 STRUCTURAL DETAILS

## SCOPE OF WORK

THE SOOP OF WORK FOR THIS PROJECT SHALL INCLUDE THE DEBOCITION AND REMOVAL OF THE CONDICTED ELOOK RETAINING WALLS AND BELEACHER SENTING AFERS AND INSTALLATION OF NEW CONCRETE FOOTWING. SHOCK RETAINING WALLS AND POWER OF THE CONCRETE FOOTWING AND WELL AND POWER OF THE CONCRETE FOOTWING AND POWER OF THE CONCRETE FOOT THE CONCRE

# OWNER

CITY OF LA MESA LA MESA, CA 92142

CONTACT: MICHAEL KINNARD PHONE: (619) 667-1153 EMAIL: MKINNARD@CITYOFLAMESA.US

## LANDSCAPE ARCHITECT

DELOPENZO INTERNATIONAL INC 3954 MURPHY CANYON ROAD, SUITE D206 SAN DIEGO, CA 92123

CONTACT: SHERRY MORRISON EMAIL: smorrison@delorenzo-intl.com

# STRUCTURAL ENGINEER

SAN DIEGO, CA 92101

CONTACT: REZA BANAN, PE

## PROJECT SURVEYOR

AGUIRRE & ASSOCIATES 8363 CENTER DRIVE, SUITE 5A LA MESA, CA 91942

CONTACT: JOEL D. RIJPINEN (619) 300-6978 EMAIL: JOEL@AGUIRRE-INC.COM

# **DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS SPROJECT AS DEFINED IN SECTION 6730 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

LUNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF LA MESA IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK. OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

05/04/2023

NICHOLAS F. DELORENZO, LANDSCAPE ARCHITECT CA R.L.A. 1388 EXPIRATION DATE: 12-31-23

PIRTA INVALE AND ADDRESS: DELORENZO INTERNATIONAL, INC. 3954 MURPHY CANYON RD., SUITE D206 SAN DIEGO, CA 92123 TELEPHONE: (858) 430-6155

## WATER EFFICIENT LANDSCAPE

I AM FAMILIAR WITH AND AGREE TO COMPLY WITH THE REQUIREMENTS OF THE LANDSCAPE IMPROVEMENT PLANS OF THE CITY OF LA MESA. MUNICIPAL CODE: I HAVE PREPARED THESE PLANS IN COMPLIANCE WITH THOSE REQUILATIONS. I CERTIFY THAT THE PLAN IMPLEMENTS THE REGULATIONS.

05/04/2023

LANDSCAPE ARCHITECT OF RECORD NICHOLAS F. DELORENZO, LANDSCAPE ARCHITECT CA RLA NO.1388 EXP. 12-31-23

RECORD DRAWING APPROVED CITY ENGINEER

> OWNER CITY OF LA MESA



REFERENCE PLANS:

San Diego, CA 92123 858 430 6155 HELIX WATER DISTRICT SUBJECT TO REVISION IN 90 DAYS

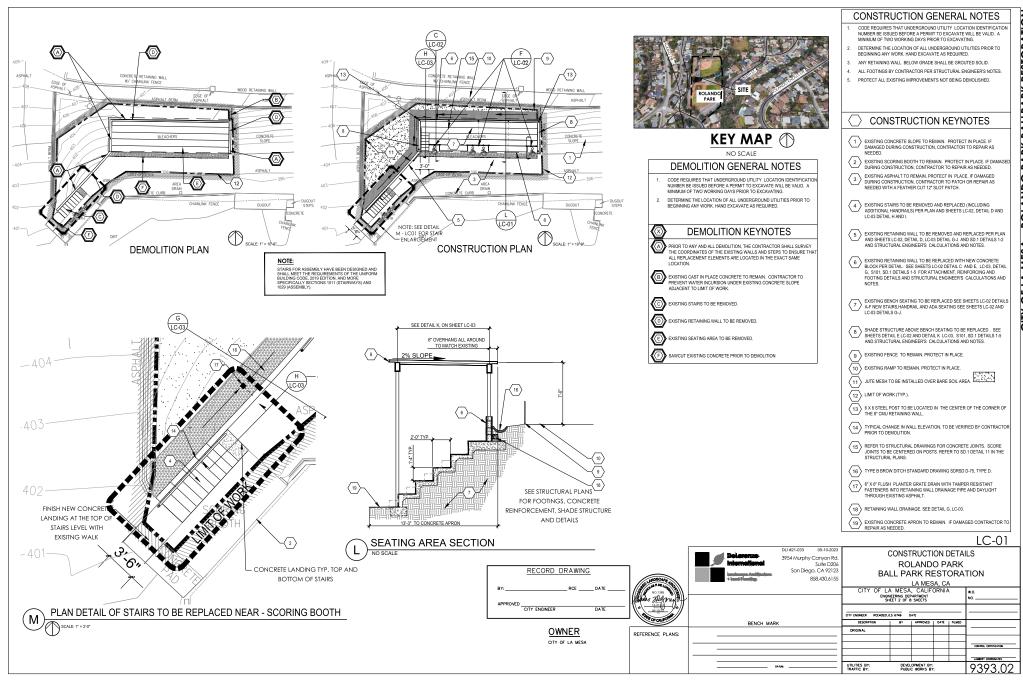
DATUM: \_\_\_

TITLE SHEET ROLANDO PARK **BALL PARK RESTORATION** 

LA MESA, CA UTILITIES BY: DEVELOPMENT BY:

9393.01

LT-00



 CONCRETE PAVEMENT, FINISH PER PLANS CONCRETE PAVEMENT NOTES:

1. JOINTING SHOWN ON PLAN WHERE 6 FINISH GRADE, DRAIN AWAY FROM PAVEMENTS. APPROPRIATE. ALL PAVEMENTS AND JOINTING TO COMPLY 7 SLOT PATCH WITH FEATHER CUT AS PER 1MD-G-7. STRUCTURAL RECOMMENDATIONS. CONCRETE PAVEMENT PROFILE Α

36" MIINIMUM LANDING

E

**ELEVATION AT TOP OF STAIRS** 

SEE STRUCTURAL PLANS FOR STRENGTHS. 2 1/2" RADIUS EDGES, THERE SHALL NOT BE A DIFFERENCE IN ELEVATION BETWEEN NEW CONCRETE AND EXISTING PAVING THAT EXCEEDS # MAXIMUM. (3) REINFORCEMENT, REFER TO STRUCTURAL PLANS FOR ALL REINFORCEMENT. PAVEMENT THICKNESS, REFER TO STRUCTURAL PLANS FOR ALL THICKNESS (5) COMPACT BASE TO 90% REL. DEN.

> WIDTH OF TREAD PLUS 12" MIN.

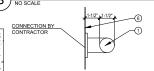
36" MIINIMUM LANDING

**ELEVATION AT BOTTOM OF STAIRS** 

r:(5), '

NOTES: CALLOUTS ON DETAIL C- THIS SHEET

**BLEACHER ENGLARGEMENT- SECTION** 



1 1-1/2" TUBULAR STEEL HANDRAIL - MOUNT ON WALL PER MANUFACTURER'S SPECIFICATIONS

(2) BLOCK WALL - SEE DETAIL H, SHEET LC-03

3 STEEL HANDRAIL BRACKET CONNECTION TO BE

(4) STAIRS - SEE DETAIL I AND J. SHEET LC-03

(5) FINISH GRADE

RETAINING WALL, SEE DETAIL G, SHEET LC-03, LC-01 AND S101 AND SD.1 DETAILS 2,5,10.

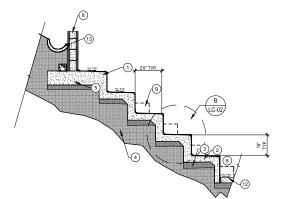
<u>NOTES:</u> • HANDRAIL DESIGN MUST RESIST A 250 LB. POINT LOAD. ALL METAL AND FASTENERS TO BE PREGALVANIZED. ALL TUBULAR STEEL SHALL BE COLD ROLLED STEEL
 COVERED WITH UNIFORM EXTERIOR G-90 PREGALVANIZED

. REMOVE ALL SLAG AND SPLATTER AND GRIND ALL WELDS SMOOTH.

ALL TUBING TO HAVE ENDS WELDED CLOSED.

· ALL WELDS SHALL BE COATED WITH COLD GALVANIZED

 CONTRACTOR TO SUBMIT FINAL SHOP DRAWING TO CITY OF LA MESA FOR APPROVAL PRIOR TO INSTALLATION.



CAST-IN-PLACE CONCRETE - SEE DETAILS A AND B, THIS SHEET

(2) CONCRETE BLEACHER AREA

(3) BASE, SEE STRUCTURAL PLANS FOR DETAILS.

(4) SUBGRADE COMPACTED, SEE STRUCTURAL PLANS.

6 CONCRETE FOOTING SIZE, DEPTH, AND REINFORCEMENT BY CONTRACTOR BASED ON THE RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.

PROVIDE EXPANSION JOINTS PER PLAN VIEW - SEE
 DETAIL J, SHEET LC-03.

(7) CONCRETE PAVING - SEE DETAIL A, THIS SHEET

8 BLOCK RETAINING WALL FOOTING SIZE, DEPTH AND REINFORCEMENT BY CONTRACTOR BASED ON THE RECOMMENDATIONS OF THE STRUCTURAL ENGINEER SEE DETAIL G, SHEET LC-03.

9 12" TREAD 8" RISER CONCRETE STEPS (ASSEMBLY AISLE WALKING SURFACE) PER IBC 1029.14.2.2., see also detail H - LC-03.

(10) CAST-IN-PLACE CONCRETE

(11) 1/2" RADIUS EDGE

(12) FINISH GRADE

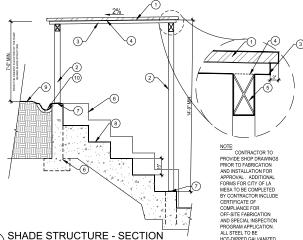
(13) TYPE B BROW DITCH SD STANDARD SDRSD D-75.

NOTES: CONCRETE BLEACHERS SHALL BE NATURAL GRAY COLOR CONCRETE W/ LIGHT BROOM FINISH

**BLEACHER SEATING AREA** 

# STANDARD WALL-MOUNTED HANDRAIL ALONG STAIRS D

H(4)



GALVALUME CORRUGATED STEEL PANELS 37" X 12' AG PATTERN. PANELS SHOULD BE INSTALLED WITH THE CREST AND TROUGH IN THE PANELS TO ENCOURAGE DRAINAGE FROM FRONT TO BACK OF THE ROOF REFER TO DETAIL 12 ON SHEET SD.1.

STEEL STRUCTURAL COLUMN. ATTACHMENTS PER STRUCTURAL PLANS S 101, SD.1 AND NOTES.

 STEEL STRUCTURAL BEAM ATTACHMENTS PER STRUCTURAL PLANS S 101, SD.1 DETAILS 7,8 AND ATTACHMENT PER STRUCTURAL

ENGINEER'S PLANS S 101, SD.1AND NOTES.

5 BEAM PER STRUCTURAL ENGINEER'S PLANS S 101, SD.1AND NOTES.

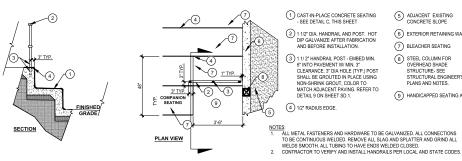
6 RETAINING WALL AND FOOTING PER STRUCTURAL ENGINEER'S PLANS.

7 SHADE STRUCTURE ATTACHMENTS -SEE STRUCTURAL ENGINEER'S PLANS.

(8) CONCRETE BLEACHER SEATING

9 FINISH GRADE

(10) TYPE B BROW DITCH SDRSD D-75.



1) CAST-IN-PLACE CONCRETE SEATING - SEE DETAIL C, THIS SHEET

(2) 1 1/2" DIA. HANDRAIL AND POST. HOT DIP GALVANIZE AFTER FABRICATION AND BEFORE INSTALLATION.

(3) 1 1/2" HANDRAIL POST - EMBED MIN. 6" INTO PAVEMENT W/ MIN 3" CLEARANCE. 3" DIA HOLE (TYP.) POST SHALL BE GROUTED IN PLACE USING NON-SHRINK GROUT, COLOR TO MATCH ADJACENT PAVING, REFER TO DETAIL 9 ON SHEET SD.1.

4 1/2" RADIUS EDGE.

5 ADJACENT EXISTING CONCRETE SLOPE

(6) EXTERIOR RETAINING WALL

(7) BLEACHER SEATING

8 STEEL COLUMN FOR OVERHEAD SHADE STRUCTURE- SEE STRUCTURAL ENGINEER'S PLANS AND NOTES.

(9) HANDICAPPED SEATING AREA

TUBULAR STEEL HANDRAIL AROUND ADA SEATING NO SCALE

RECORD DRAWING APPROVED CITY ENGINEER

CITY OF LA MESA

LC-02 CONSTRUCTION DETAILS 3954 Murphy Canyon Rd. Suite D206 ROLANDO PARK San Diego, CA 92123 **BALL PARK RESTORATION** 858 430 6155 LA MESA, CA CITY OF LA MESA, CALIFORNIA ENGINEERING DEPARTMENT SHEET 3 OF 8 SHEETS BENCH MARK

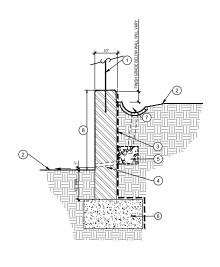
ALL METAL FASTENERS AND HARDWARE TO BE GALVANIZED, ALL CONNECTIONS

TO BE CONTINUOUS WELDED. REMOVE ALL SLAG AND SPLATTER AND GRIND ALL WELDS SMOOTH. ALL TUBING TO HAVE ENDS WELDED CLOSED.

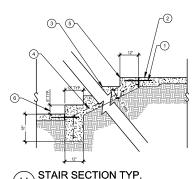
UTILITIES BY: TRAFFIC BY: DEVELOPMENT BY: PUBLIC WORKS BY 9393.03

OWNER

REFERENCE PLANS:

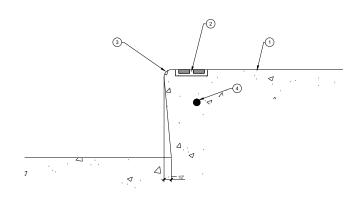


- 1 FENCE OR RAILING WHERE SHOWN. EXISTING AC PAVING TO REMAIN.
- (2) FINISH GRADE, DRAIN AWAY FROM WALL. REPAIR AS REQUIRED TO DRAIN AWAY FROM
- (3) WATERPROOFING, TWO LAYER DRAINAGE MAT CONSISTING OF POLYSTYRENE CORE AND NOWWOVEN, NEEDLE-PUNCHED POLYPROFYLENE FABRIC TREMBORAIN MV-MULTI-COMPSITE DRAINAGE AND PROTECTION BOARD.
- 4) 8X8X16 CONCRETE BLOCK WALL PER STRUCTURAL PLANS ON SHEET S101 AND DETAILS ON SD.1
- (5) 4" DIA. SCH. 40 PVC PERFORATED DRAINLINE VM1 CU. FT. DOUBLE WASHED DRAIN ROCK PER LN.FT, WRAP WITH FILTER FABRIC, OVERLAP FILTER FABRIC 12" MIN. ENSURE POSITIVE DRAINAGE OF THE CONCRETE SWALE TO THE
- CONCRETE FOOTING SIZE, DEPTH AND REINFORCEMENT PER STRUCTURAL ENGINEER'S PLAN SHEET S101, SD.1 DETAILS
- 7 TYPE B BROW DITCH SDRSD D-75.
- (8) WALL HEIGHT VARIES REFER TO STRUCTURAL PLANS SD.1



- 1)#4 X 18" SLIP DOWEL @24" O.C. TYP.
- 2) 3/8" JOINT FILLER WITH SELF-LEVELING CAULK, COLOR TO MATCH WALLS.
- (3)1/2" RADIUS ALL EDGES
- 4 REINFORCEMENT SHOWN HERE DIAGRAMMATIC. ALL REINFORCEMENT PER STRUCTURAL ENGINEER'S PLANS.
- 5 CONCRETE STAIR NOSING, SEE DETAIL I, THIS SHEET.
- 6 RISER HEIGHT IN BLEACHER AREA TO E 8" AS PER IBC 1029.14.2.2 (ASSEMBLY WALKING SURFACES)

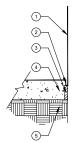




- 1) CONCRETE STAIRS SEE DETAIL H THIS SHEET
- (2) STAIR NOSING TO BE INCLUDED ON EVERY STEP OF THE STAIRCASE, WOOSTER SUPERGRIT W610 NOS-LIP NARROW TREAD FOR CONCRETE STAIRS, 1.375" DEPTH WITH SILVER TAPCON SCREWS -36" LENGTH.
- (3) 1/2" RADIUS CONTINUOUS.
- 4 REINFORCEMENT SHOWN HERE DIAGRAMMATIC. ALL REINFORCEMENT PER STRUCTURAL ENGINEER'S PLANS.

# CONCRETE STAIR NOSING

NO SCALE



**EXPANSION JOINT ADJACENT TO SEATING AREA** NO SCALE



REINFORCEMENT PER STRUCTURAL ENGINEER'S PLAN \$101, DETAILS 5-8 BELOW IN ALL DIRECTIONS. SHADE STRUCTURE PLAN VIEW

5 SUPPORT FOR SHADE STRUCTURE REFER TO THE STRUCTURAL ENGINEER'S PLAN

7 CORRIGATED STEEL ROOFING PANELS SEE E-LC-2.

9 THE SHADE STRUCTURE SHALL EXTEND 3" BEYOND THE CONCRETE BLEACHERS

S101, DETAILS 5-8.12 AND NOTES.

(6) CONCRETE BLOCK WALL BELOW

(8) LAYOUT SHALL MATCH PREVIOUS DIMENTIONS SEE NOTE (4) LC-01.

L(9)

1 TUBULAR STEEL COLUMN - SIZE PER STRUCTURAL ENGINEER'S PLAN S101 ,

DETAILS SD.1 5-8, 12 AND NOTES.

2 ATTACHMENT TO TUBULAR STEEL POST PER STRUCTURAL PLAN S101,

DETAILS 7-8, 12 AND NOTES.

3 CROSS BRACING MEMBERS - SIZE,

(4) ALL FOOTING DEPTH, SIZE AND

NO SCALE

DEPTH AND REINFORCEMENT PER

STRUCTURAL ENGINEER'S PLAN S101, DETAILS 7-8, 12 AND NOTES.

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RECORD DRAWING APPROVED CITY ENGINEER

OWNER CITY OF LA MESA



REFERENCE PLANS:

LC-03 CONSTRUCTION DETAILS 3954 Murphy Canyon Rd. Suite D206 ROLANDO PARK San Diego, CA 92123 **BALL PARK RESTORATION** 858 430 6155 LA MESA, CA ENGINEERING DEPARTMENT SHEET 4 OF 8 SHEETS BENCH MARK 9393.04 UTILITIES BY: TRAFFIC BY: DEVELOPMENT BY: PUBLIC WORKS BY:

# CONSTRUCTION SPECIFICATIONS

I. SCOPE

SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE THE DEMOLITION AND REMOVAL OF THE CONCRETE BLOCK RETAINING WALLS AND
BLOCKER SEATING AREAS AND STUMP REMOVAL AND GRIDDING AND THE INSTALLATION OF NEW CONCRETE FOOTINGS, BLOCK RETAINING
WALLS AND POURED CONCRETE BLOCKER SEATING AREAS AS SHOWN ON THE PLANS AND REMOVEL AND GRIDNING OF STUMP THE WORK
WILL ALSO INCLUDE THE REPLACEMENT OF A STEEL SHADE STRUCTURE AND METAL HANDRAILS. THE DAMAGED SUBFACE AREAS IN THE
VICHINT OF THESE REPLACED EXTAINING WALLS WHERE A LARGE TERE WAS RECENTLY REMOVED SHALL BE FINE REGRADED TO MATCH THE
PREVIOUS SLOPE CONDITION AND COVERED WITH JUTE MATTING AS SHOWN ON THE PLANS. PROVIDE LABOR, MATERIALS, PERMITS,
BEQUIPMENT, SUPERVISION, SERVICES, TRANSPORTATION AND ALL DOTHER ITEMS NECESSARY TO COMPLETE LAL CONSTITUCTION WORK AS
INDICATED AND SPECIFIED WITHIN THESE PLANS BY DELORENZO INTERNATIONAL THE INSTALLATION SHALL BE COMPLETE IN EVERY RESPECT
TO THE SATISFACTION OF THE CUT OF LA MESA.

- GENERAL CONDITIONS.
  IT IS THE INTEREST THE ALL IMPROVEMENTS SHALL BE CONSTRUCTED, ASSENBED, AND INSTALLED IN AN EFFICIENT AND. SATISFACTORY
  IT IS THE INTEREST THE ALL IMPROVEMENTS SHALL BE CONFIDED TO THE HIGHEST WORKMANLES STANDARDS. IMPROVEMENTS SHALL BE COMPLETE IN EVERY RESPECT AND SHALL BE
  LEFT READY FOR THEIR INTERDED LISE AND/OR OPERATION BY THE OWNER.
  IT HE CONTRACTOR SHALL CARRY ALL NECESSARY COMPENSATION, LIABILITY AND PROPERTY DAMAGE INSURANCE TO COVER HIS WORKERS AND
  INSTALLATION SO AS TO OFFER PULL PROTECTION TO THE OWNER FROM ANY POSSIBLE DAMAGE SUIT OR LIER ON THE OWNER'S PROPERTY
  ACCORDING TO THE CTYS SENDING AND INSURANCE REQUIREMENTS AS OUTLINEED IN THE SEPCIOLATIONS.
- 3. THE CONTRACTOR SHALL APPLY AND PAY FOR NECESSARY PERMITS AND FEES REQUIRED BY LOCAL GOVERNING CODES AND MUNICIPALITIES TO COMPLETE THE WORK 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENCROACHMENT ONTO ADJACENT PROPERTY, RIGHT-OF-WAYS, EASEMENTS, SET-BACKS
- OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.

  5. LOCAL, MUNICIPAL AND STATE CODES, LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE
- HEREBY MADE A PART OF THESE PLANS AND SPECIFICATIONS.

  6. THESE PLANS ARE PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR; THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND
- DIMENSIONS SHOWN ON THE PLANS AFFECTING THE INTENDED DESIGN OF THE CONSTRUCTION WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE IMMEDIATELY.
- 7. ANY DISCREPANCIES BETWEEN THE SITE CONDITIONS AND THE CONTRACT DOCUMENTS AND/OR THE DESIGN INTENT AFFECTING TH SUCCESSFUL COMPLETION AND COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT IMMEDIATELY. ANY CONTINUATION OF WORK PRIOR TO THE RESOLUTION OF DISCREPANCIES IS AT THE CONTRACTOR'S RISK AND EXPENSE.

  8. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONSTRUCTION ELEMENTS TO AVOID CONFLICTS WITH GRADING, PLANTING,
- RRIGATION, UTILITIES, OR ENGINEERING OR ARCHITECTURAL FEATURES THROUGH THE OWNER'S REPRESENTATIVE 9. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL LOCATE BY STAKES, OR OTHER MEANS, ALL CONSTRUCTION ELEMENTS AS DELINEATED ON THE PLANS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT
- 10. THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ALL LITHLITES CONSTRUCTION. IRRIGATION AND PLANTING FLEMENTS, EXISTING OR NEW MARKED OR UNMARKED, AND SHALL REPAIR OR REPLACE ANY DAMAGED IMPROVEMENTS IN A MANNER ACCEPTABLE TO THE OWNER'S
- 11. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE UNIFORM BUILDING CODE
- 1. ALL CONSTRUCTION ITEMS SHALL BE LOCATED AS DIMENSIONED ON THE PLANS UNLESS. OTHERWISE INDICATED IN NOTES, DETAILS, LEGENDS, AND SPECIFICATIONS.
- DIMENSIONS ARE TAKEN FROM FACE OF VERTICAL IMPROVEMENTS LINLESS NOTED ON PLANS
- IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
   WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL BE THE SAME AS OTHER SIMILAR WORK SHOWN OR NOTED ON THE PLANS.

## III. PAVING

- . CONTRACTOR SHALL VERIFY IN THE FIELD, THE EXTENT OF IMPORT OR EXPORT TO ENSURE FINAL GRADES AND NOTIFY OWNER OF ALL
- DISCREPANCIES WHICH SHALL AFFECT CONTRACTOR'S WORK PRIOR TO BEGINNING WORK.

  2. ALL EXISTING FILL SOIL AND DISTURBED NATURAL SOILS ARE TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL PER THE
- TRUCTURAL SOILS REPORT. ALL FILLING, BACKFILLING, RECOMPACTION, ETC., IS TO BE ACCOMPLISHED ONLY UNDER THE SUPERVISION OF A
- EXPORT SOIL AND DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE
- . CONTRACTOR IS RESPONSIBLE FOR FINAL GRADES. . CONTRACTOR IS RESPONSIBLE FOR HIEVING POSITIVE DRAINAGE AT THE FOLLOWING MINIMUM GRADIENTS UNLESS OTHERWISE NOTED: 1% IN PAVED AREAS 2% IN ALL PLANTED AREAS
- 6. ALL SUBSURFACE DRAIN LINES INDICATED ON THESE PLANS SHALL HAVE A MINIMUM ONE-HALF OF ONE PERCENT SLOPE CONSTANT TO THE

# B. PORTLAND CEMENT CONCRETE PAVING

- ALL RECOMMENDATIONS FOR CONCRETE SUB-BASE REQUIREMENTS, SUB-GRADE REQUIREMENTS, COMPRESSIVE STRENGTH, SLAB THICKNESS CONTROL IOINTS REINFORCEMENT ETC. OF ALL PAVING ON GRADE GIVEN WITHIN THE PLANS AND SPECIFICATIONS BY DELORENZO NTERNATIONAL ARE MINIMUM STANDARDS. CONTRACTOR SHALL VERIEV SUB-BASE REQUIREMENTS. SUB-GRADE REQUIREMENTS COMPRESSIVE STRENGTH SLAB THICKNESS CONTROL IGINTS REINFORCEMENT FTC WITH THE RECOMMENDATIONS OF THE PROJECT COMPRESSIVE 3 INSTANT, 3 AND INICANAS, COMMODIANTS, AND INICANAS, AND INICAN
- AND/OR HIGUEL 13 HIGU-LUPIAL ENDINEER UPTER HIGH PER AND PLANS AND THE MANDRAIL THAN PRECEDENCE.

  ATHER CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT RATIVORK COMPULES WITH APPLICABLE CODES AND REGULATIONS OF MINIMUM WET AND DRESS IN CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT RATIVORK COMPULES WITH APPLICABLE CODES AND REGULATIONS OF MINIMUM WET AND DRESS IN CONTRACTOR SHALL BE TESTED.

  A CONTRACTOR SHALL COMPLY WITH THE APPLICABLE CODES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION.

  A CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE CISS IMAQUAL OF STANDARD PRACTICES. WHERE THESE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE CISS IMAQUAL OF STANDARD PRACTICES. WHERE THESE REQUIREMENTS CONTROL WITH THIS SPECIFICATION, COMPLY WITH THE MORE ESTIMATION THE MORE STANDARD PRACTICES. WHERE THESE REQUIREMENTS CONTROL WITH THIS SPECIFICATION, COMPLY WITH THE MORE STRINGMENT PROVISIONS.

  B. PROPORTION AND MIN OF CEMENT, AGGREGATE, ADMITURE AND WATER TO ATTAIN REQUIRED PLASTICITY AND STRENGTH IN ACCORDANCE WITH CUBBER TENTOR OF THE STANDARD SPECIFICATION.

  2. LIMMANUM. 5 INCIDES.

  2. MINIMUM. 5 INCIDES.

  2. MINIMUM. 5 INCIDES.

  2. MINIMUM. 5 SACCES.

  3. MINIMUM. 6 SACCES.

  4. WATER SCENERAL RATION OF MIN.

  3. MINIMUM. 6 SACCES.

  4. WATER SCENERAL RATION OF GOOD TOTAL.

- COARSE AGGREGATE (PEA GRAVEL): 30% OF TOTAL.
  THE USE OF FLYASH WITHIN CONCRETE PAVING IS NOT PERMITTED.
  ENSURE THAT BROTH PLANTE GUARANTEES SINGLE SOURCE ("SOLE SOURCE") SUPPLY FOR CEMENT, FINE AGGREGATE, AND COARSE AGGREGATE FOR THE ENTIRE LENGTH OF PROJECT TO ENSURE UNIFORM COLOR THROUGHOUT
- FOR THE ENTIRE LENGTH OF PROJECT INSURE OUR CONTROL OLDS IN AUGUST HINDUDGED.

  CONCRETE DELIVENTY: DO NOT USE CONCRETE LOADS EXCEEDING 90 MINUTES FROM TIME OF BATCHING.

  SUBGRADES SHALL CONSIST OF SEMI-PERMEABLE NON-EXPANSIVE SOILS COMPACTED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL SOILS REPORT AND SHALL BE GRADED TO A LEVEL PAUM FRANKLE UNTIL THE FIRST SUPPRACE.

- A. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORILY CONDITIONS ARE CORRECTED
- B. NOTIFY OWNER'S REPRESENTATIVE 24 HOURS BEFORE SCHEDULED START OF PLACING CONCRETE. EXCAVATIONS, FORMWORK, REINFORCEMENT, AND EMBEDDED ITEMS SHALL HAVE BEEN INSPECTED AND APPROVED BEFORE ANY CONCRETE IS PLACED.
- C. TREAT SUB-GRADE UNDER PAVED AREAS WITH WEED KILLER IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. TAKE EXTREME PRECAUTION TO CONFINE WEED KILLER TO AREA COVERED WITH PAVING AND PROVIDE NECESSARY PROTECTION INJURY OR DAMAGE TO LIFE OR

V. PREPARATION:
A. COORDINATE: THE WORK OF THIS SECTION WITH RELATED WORK. ALL CONDUITS AND PIPES MUST BE BURIED A MINIMUM OF 6" BELOW SUBGRADE SURFACE AND PROPERLY RE-COMPACTED WITH NON-EXPANSIVE SOILS. DO NOT PLACE ANY CONDUITS OR PIPES WITHIN THE CONCRETE PAVING.

## VI. INSTALLATION:

- A. GENERAL:

  14. ALL CONCRETE SHALL BE FREE FROM DEFECTS, AND SHALL CONFORM TO THE SHAPES, DIMENSIONS AND FINISH GRADE ELEVATIONS AS INDICATED ON THE PLANS. DEFECTIVE CONCRETE SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THEIR EXPENSE
- 15. ALL EXPOSED SURFACES SHALL BE FREE FROM JOINT AND POUR LINES AND SHALL HAVE A UNIFORM TEXTURE. ALL CONCRETE SHALL CONFORM TO THE TEXTURES AND FINISHES AS CALLED FOR IN THE PLANS OR AS APPROVED DURING THE CONCRETE SUBMITTAL PERIOD (SEE 'SUBMITTALS' SECTION ABOVE)
- 16. WHEN CURING COMPOUNDS ARE USED. ADJACENT SURFACES SHALL BE PROTECTED BY CONTRACTOR FROM OVERSPRAY
- 17. ALL WALKS SHALL DRAIN AT A MINIMUM OF 1% CROSSFALL OR AS NOTED ON THE PLANS
- 18. CONCRETE PADS IN FRONT OF BUILDING ENTRY SHALL BE FINISHED TO A GRADIENT NO GREATER THAN 2% TO A POINT 60" OUT FROM THE FACE OF THE BUILDING PER TITLE 24 CALIFORNIA STATE HANDICAPPED CODE.
- 19. CROSS PITCH ON ALL WALKING SURFACES SHALL NOT EXCEED 2%. 20. VERIEV SHAPE, HEIGHT AND LOCATION OF EXISTING STOOPS AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- 21 OWNER'S REPRESENTATIVE SHALL APPROVE ALL FORMING PRIOR TO POLIFING OF CONCRETE 22. ENSURE THAT FORM LUMBER IS NEW #2 OR BETTER GRADE WOOD ON ALL UPGRADED OR ENHANCED CONCRETE APPLICATIONS. PREVIOUSLY
- USED FORM LUMBER SHALL NOT BE USED
- . WITH EACH LOAD, PROVIDE TICKET CERTIFYING THE MATERIALS AND QUANTITIES AS WELL AS COMPLIANCE WITH THE APPROVED MIX DESIGN.
- SEE DETAILS AND THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER AND/OR PROJECT STRUCTURAL ENGINEER
- OINTING:

  1. CONTRACTION JOINTS (CONTROL JOINTS, SAWCUTS AND TOOLED JOINTS)
  - VCUT AND TOOLED CONTRACTION JOINTS IN LOCATIONS INDICATED

  - ON DRAWNIGS.

    B. PERFORM SWICUT JOINTING WITH A NEW DIAMOND TIP CIRCULAR SAW AFTER SLAB HAS ATTAINED ITS INITIAL SET.
    C. SAWCUT JOINT WIDTH: PER DRAWNIGS. DO NOT EXCEED 3/16: INCH IN WIDTH.
    DEPTH OF SAWCUT SAND TOOLGOUISTE. 3/14TH DEPTH OF SLAB.
    E. SAWCUT JOINTS IN A STRAIGHT LINE WITH NO OVERCUTTING.
    E. SAWCUT JOINTS IN A STRAIGHT LINE WITH NO OVERCUTTING.
    USEA HAND TOOL TO SAWCUT UP TO VERTICAL BEDSS SUCH AS WALLS, STEPS, CURBS, AND COLUMNS. DO NOT OVERCUT INTO VERTICAL
    SUFFACES OR ADJACENT CONCRETE.
    C. TOOLING TO BE ONLY WHILE CONCRETE IS ALSTIC AND SHALL BE TRUE TO LINE AND PROFILE.
    C. TOOLING TO BE ONLY WHILE CONCRETE IS ALSTIC AND SHALL BE TRUE TO LINE AND PROFILE.

  - H. JOINTING TOOL: SHALL BE 2" WIDE AT SURFACE, TAPERED, WITH TOP EDGES ROUNDED TO 1/8" RADIUS.

    I. TOOL OR OTHERWISE FORM GROOVES IN HANDICAPPED RAMPS IN ACCORDANCE WITH DRAWINGS AND TITLE 24 REQUIREMENTS.

  - CONSTRUCTION JOINTS (COLD JOINTS AND DOWLED CONSTRUCTION JOINTS):
     A. PLACE SAWCUT AND TOOLED CONSTRUCTION JOINTS IN LOCATIONS INDICATED IN DRAWINGS.
- B. PERFORM SAWCUT JOINTING WITH A NEW DIAMOND TIP CIRCULAR SAW AFTER SLAB HAS ATTAINED ITS INITIAL SET.
- C. SAWCUT JOINT WIDTH: PER DRAWINGS. DO NOT EXCEED 3/16 INCH IN WIDTH.
  D. DEPTH OF SAWCUTS AND TOOLING: TO TOP OF FOAM.
  E. SAWCUT AND TOOL JOINTS IN A STRAIGHT LINE WITH NO OVERCUTTING.
- F. USE A HAND TOOL TO SAWCUT UP TO VERTICAL EDGES SUCH AS WALLS, STEPS, CURBS AND COLUMNS. NO CUTTING INTO VERTICAL SURFACES WILL BE ALLOWED 3 ISOLATION IOINTS (EXPANSION IOINTS):
- A. LOCATION AS SHOWN IN DRAWINGS BUT GENERALLY BETWEEN VERTICAL AND HORIZONTAL SURFACES. I.E. HORIZONTAL SLABS AGAINST WALLS. COLUMNS AND STEPS
- 1. WHILE THE SURFACE IS STILL PLASTIC, PROVIDE A TEXTURED FINISH AS REQUIRED BY THE DRAWINGS, OR AS DIRECTED BY OWNER'S
- MMEDIATELY AFTER CONCRETE HAS BEEN TROWELED AND JOINTS HAVE BEEN FORMED, BROOM FINISH WITH MEDIUM STIFF BRISTLE BROOM,
- CURING METHOD SHALL RE PER CONTRACTOR BASED ON WEATHER CONDITIONS CONCRETE TYPE CONCRETE COLOR ETC. BUT SHALL BE SUBINO ME PRODUCTION OF THE CONTROL OF THE CONTROL
- :ALING: SEALING MATERIAL SHALL BE PER CONTRACTOR BASED ON CONCRETE TYPE, CONCRETE COLOR, ETC. BUT SHALL BE SUBJECT TO APPROVAL BY
- SEALING MATERIAL SHALL BE PER CONTRACTOR BASED ON CONCRETE TYPE, CONCRETE COLOR, ETC. BUT SHALL BE SUBJECT TO APPROVAL BY
  OWNER AND LONDSCAPE ARCHITECT (SEE "SUBMITTAL"S SECTION ASOCIATION.
   APPROVED SEALING MATERIALS INCLUDE: "REPELLO" "AND "COLORCUBE" AS MAINTACTURED BY LM. SCOPIELD COMPANY. NEITHER OF THESE
  MATERIALS RUE BE LEUSED, DOVERYER, SUBMITTED SEALING MATERIAL MUST MET SIMILIAL SEALING STANDARDS.
   IF SEALING MATERIAL REQUIRES APPLICATION ATTER CONCRETE HAS CURED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY CLEAN
  THE CONCRETE PROPE TO SEALING AFTER CONCRETE HAS CURED (APPROXIMATELY 28 DAYS).
   FIELD QUALITY CONTROL.
   INSPECTIONS ROLL:
   INSPECTIONS ROLL:

- LAYOUT. - FORMING. - SUB-GRADE PREPARATION AND REINFORCING STEEL INSTALLATION

- IN REMOVE CONCRETE PAVING WHICH IS IRREGULAR OR DAMAGED (NEW CONCRETE THAT IS DAMAGED OR IRREGULAR SHALL BE REPLACED AT THE CITY'S DISCRETION. NOT TRUE TO LINE AND PLANE, NOT PROPERLY FINISHED, NOT PITCHED TO DRAIN, CRACKED, HONEYCOMBED, SPALLED, CONTAINS ROCK POCKETS, ETC., SUCH WORK SHALL BE REMOVED AND REPLACED TO THE REQUIREMENTS OF THIS SECTION AND PROVIDES A UNIFORM QUALITY AND APPEARANCE
- PROTECTION:
   PREVENT TRAFFIC ON SURFACES OF CONCRETE PAVING FOR A PERIOD OF 3 DAYS. PROVIDE, MAINTAIN AND REMOVE BARRICADES AS REQUIRED

### K. ASPHALT PAVING

1. ALL ASPHALTIC CONCRETE PAVING, PATCHING AND CUTTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (LATEST EDITION),

### VII WALLS:

### GENERAL

- 1. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE UNIFORM BUILDING CODE
- ALL MASONRY BLOCK COURSES FOR RETAINING AND FREESTANDING WALLS SHALL BE SET LEVEL; CONTRACTOR SHALL RESOLVE ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- 3. ALL MASONRY BLOCK SHALL BE REINFORCED GROUTED SOLID MASONRY UNLESS NOTED OTHERWISE. GROUT SOLID ALL CELLS WHICH CONTAIN REBAR, BOLTS, ETC. GROUT SOLID ALL CELLS BELOW GRADE. ALL REINFORCEMENT, BOLTS, ETC. IN MASONRY SHALL HAVE A
- MINIMUM GROUT COVERAGE OF 3/4". 4. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING ALL WALLS TO GRADES PER PLAN, FINISH GRADING FOR RUNOFF SWALE BEHIND ALL WALLS, PERFORATED DRAIN LINES COMPLETE, WATERPROOFING ALL WALLS BELOW GRADE AND ALL EXCAVATION NECESSARY FOR THE EXECUTION OF MASONRY WORK. RELATIVELY NON-EXPANSIVE FILL SHALL BE USED IN BACKFILLING BEHIND WALLS. ALL RETAINING WALLS
- SHALL BE ADEQUATELY SHORED DURING THE BACKFILL OPERATION. WALL FOOTING SIZE. SHAPE AND REINFORCEMENT SHALL BE CONSTRUCTED IN ACCORDANCE AND ACCORDING TO PLANS. WITH THE
- WALL FOOTING SIZE, SHAPE, AND REINFORCEMENT SHALL BE CONSTRUCTED IN ACCORDA
  RECOMMENDATIONS OF THE SOILS REPORT AND/OR STRUCTURAL ENGINEER.
  TOP OF WALLS SHALL BE CONSTRUCTED LEVEL UNLESS OTHERWISE INDICATED ON PLANS.
- 7. WALLS SHALL BE INSTALLED

  8. ALL EXPOSED WALL SURFACES SHALL BE SEALED WITH AN ANTI-GRAFITTI COATING, SUBMIT COATING FOR APPROVAL TO THE CITY OF LA MESA
- IOR TO APPLICATION R PLASTER ASIEN
  ALL PLASTER FINISHES, TEXTURES AND COLORS SHALL MATCH REFERENCED ARCHITECTURE UNLESS OTHERWISE NOTED ON PLANS OR AS
  DIRECTED BY OWNER'S REPRESENTATIVE. APPLY A SAMPLE AREA FINISH PLASTER COAT OF 4'X 4' FOR OWNER APPROVAL PRIOR TO
  PROCEFEDING WITH BALANCE OF PLASTER WORK.
- APPLY A NON-YELLOWING WATER SEALER TO ALL PLASTER SURFACES AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL MORTAR JOINTS SHALL BE PORTLAND CEMENT -- LIME MORTAR TYPE "S" AND CONFORM TO THE LATEST ASTM STANDARDS.

- VIII. METALS:
  A. GENERAL:
  1. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE UNIFORM BUILDING CODE.
  2. METAL WORK SHALL BE FREE OF DEFECTS WHICH IMPAIR STRENGTH, DURABILITY AND APPEARANCE.
  3. PROTECT ALL DISSIMILAR METALS FROM GALVANIC CORRISON BY PRESSURE TAPES, CONTINGS OR ISOLATORS.
- B. STEEL:

  1. ALL STEEL FABRICATION AND HARDWARE SHALL BE HOT-DIPPED GALVANIZED.
- C. STEEL AND IRON:
  1. ALL WELDS SHALL BE CONTINUOUS AND FREE FROM IRREGULARITIES. ALL EXPOSED CUTS AND WELDS SHALL BE GROUND SMOOTH.

SURJANTEE:
ALL CONSTRUCTION WORK SHALL BE GUARANTEED AGAINST ALL DEFECTS OF WORKMANSHIP AND MATERIALS, INCLUDING SETTLING OF GRADED
AREAS, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE (COMPLETION) BY OWNER. THE CONTRACTOR SHALL PROVIDE A
WRITTEN GUARANTEE ON HIS LETTERHEAD AT THE TIME HOR OF THE FINAL INSPECTION.

CONSTRUCTION SPECIFICATIONS 3954 Murphy Canyon Rd. ROLANDO PARK Suite D206 RECORD DRAWING San Diego, CA 92123 **BALL PARK RESTORATION** 858 430 6155 LA MESA, CA CITY OF LA MESA, CALIFORNIA ENGINEERING DEPARTMENT SHEET 5 OF 8 SHEETS APPROVED CITY ENGINEER DATE BENCH MARK OWNER REFERENCE PLANS: CITY OF LA MESA

DATUM: \_\_

9393.05

DEVELOPMENT BY:

LC-04

UTILITIES BY:

# STORA RE BALLPARK PARK ROLANDO ESA Σ

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# FOUNDATION

 Grout under base plates shall be non-shrink type and shall have compressive strength equal to
or greater than the concrete or masonry supporting it. All grade beams shall be poured monolithically for their entire length

All reinforcing to be accurately and securely located prior to pouring con

All horizontal reinforcement to have matching dowels at corners of walls. All vertical reinforcement to have matching dowels to footing, unless otherwise noted.

# DEFERRED APPROVAL:

MISCELLANEOUS

- Elements of structure that are marked "by others" shall be excluded from this scope of work
- General contractor shall first submit separate drawings for the above elements to the EOR for their review and if approved, then submit to the building officials for their review and approval. City approval shall be obtained prior to installation of element subjected to deferred approval

### SHOP DRAWINGS

- Sufficient copies of shop drawings for any member or product designed by entity other than E.O.R. shall be submitted to E.O.R. poir to fabrication for review. Contractor shall submit shop the product of the submitted to E.O.R. poir to fabrication for review. Contractor shall submit shop strength more than 200p and structured seet to E.O.R. to review and obtain approval prior to fabrication. Shop Drawings shall be original drawings prepared for the project specific information, draw accurately to skale. Dever copies and modified reproductions of the Contract Documents will not be accepted. Allow sufficient time from the recept of complete submittal for review and processing by E.O.R.
- Review of shop drawings by E.O.R. does not relieve the engineer responsible for the design or the contractor from compliance with Building Code.
- E.O.R.s review of the shop drawings consists of checking general conformance with structural drawings. Design accuracy of such product, dimensions and quantity of the product is not reviewed by E.O.R..

## SPECIAL INSPECTION:

- In addition to the regular inspection the following items will also require special inspection in accordance with CBC. Ch. 17, unless exempted by the exceptions of Sec. 1704.2, of the Building Code
- accordance with CBC Ch. 17, unless exempted by the exceptions of Sec. 1794.2, of the Building Coc. However, the control of the Carlo o
- to the bunding official demonstrating the qualifications per CGC section TPA.2.1.

  Approved agencies hall be kere record of operating impections and test. In approved agency shall submit report is operated in the page of the approved agency and in a special impection and test that is a few the registered design professional in a report agency and in a special impection and test in the job size a report agency and in a special impection and test in the job size a report agency and in the parallel set in job size a special construction of the page of the special set in the page of the page of the special set in the page of the special set in the page of the
- The duties of the special inspector shall be in conformance with the requirements of section 1704 of the latest edition of the CBC.
- Contractor shall be responsible for all expenses due to any premature notification of inspection which results in additional site visits.
- Failure of notification by the contractor for inspection on a timely basis may result in complete rem replacement of all work performed at contractors expense.
- . Site visits by the structural engineer do not constitute an inspection.

## STATEMENT OF SPECIAL INSPECTIONS (ONLY INDICATED ITEMS ARE REQUIRED)

REQ'D (?)	INSPECTION ITEMS	SPECIAL INSPECTIORS (NAME, PHONE#, REGISTRATION					
YES	Structural Steel (1705.2.1)						
	Steel Frame Joint Details						
	Cold-Formed Steel Deck (1705.2.2)						
	Open-Web Steel Joists and Joists Girders (1705.2.3)						
	Reinforcing steel and Pre-Stressing Steel Tendons						
	Shotcrete (Curing Temperature, Design Mix, Placement, Strength etc. per Table 1705.3)						
	Cold-formed Steel Trusses spanning >= 60 ft						
YES	Concrete Construction (Design Mix, Formwork, Placement, etc. per Table 1705.3] (see 1705.3 exceptions)						
	Structural Welding/Rebar Welding						
	All Masonry Construction (1705.4)						
	Wood for High Load Diaphragms (1705.5.1)						
	Metal-Plate-Connected wood trusses spanning >=60 ft						
YES	Soils (excavation, Fill, etc. per 1703.6) (see 1705.6 exceptions)						
	Driven Piles per 1705.7						
	Cast in Place Piles per 1705.8						
	Helical Pile Foundations per 1705.9						
	Erection of Pre- cast Concrete Members						
	Bolts Installed in Concrete						
	High Strength Bolting/Material Verification						
	Wood diaphragm and shear walls*						

- 1. Provide min. (1) #4 reinforcing for electrical ground, location to be verified with the electrical
- Verify min. foundation depth, width, reinforcing steel and additional expansive soil requirer with valid soils report and if more stringent, they shall supersede the above minimum requirements. See note #7 under reinforced concrete for concrete strengent.
- Admixtures in concrete mix. containing calcium chlorides shall not be used.
- Footings shall be examined and certified in writing by the project soil/geology engineer prior to inspection and placement of concrete.
- impection and patients of concrete.

  5. Concrete shall be to the strength and slump as specified per structural design, and consist of Portland cement ASTM C-150 Type V per solic engineer's recommendations and Building Code section 1904 (ACI 318 section 19.3.2.1) when exposed to suffare containing solutions. Aggregates shall be per ASTM C-33. Water to be clean and potable.
- Placement shall be in one continuous operation unless otherwise specified. Slab surface shall be cured with 'Hunts' compound or equal or cured with other methods in accordance with good construction practice at contractor's option.
- construction practice at contractor's option.

  Contractor shall dampen sable underlayment of sand/membrane just prior to concrete placement to assist uniform concrete curing. Sable must not be poured earing or immediately after the season of the same shall be said to the said to the same shall be said to the same shall be said to the said that said to the said to said the said that said the said that said said the said said to support tall said to support tall said to great said to support tall said to great said.
- Concrete placement shall be monolithic in one continuous operation uniformly placed and must be vibrated and well consolidated unless shown otherwise on plans. Dual pour is defined by ACI as to when 1st. & 2nd. pour can not be vibrated together.
- 10. Floor slab shall be poured level to 1/8" in 10".
- Requirements for pre-saturation of subgrade soils and daylight setback of exterior footings from any descending slope shall comply with soil report recommendations.
- Finish grade around the perimeter of slab shall be constructed such that rain and irrigation water is drained away from the slab.
- 13. All site and pad preparation, such as but not limited to shading, compacting of the fill, pre-saturation, and concrete slab base preparation, shall be performed in accordance with the soil engineer's recommendation and soils report.
- 14. Foundation drawings prepared by E.O.R. reflect the structural requirements. Refer to architectural plans for dimensions, depressions, slope, shelves, patios, stoops and porches not shown in foundation drawings. Accuracy of the dimensions and final fit of the building shall be reviewed by the architect and the contractor prior to construction.
- 15. Waiting period for concrete slabs-on-grade prior to start of construction is as follows
- a. Do not walk on slab until 24 hours after concrete has been poured.
  b. Begin wall framing 4-5 days after concrete poured.
  c. Begin roof/floor framing 7-10 days after concrete poured.
  d. Do not load roof prior to 14 days after concrete poured.
- 16. No pipes or conduits shall extend under isolated column footing or under continuous wall footings unless specifically detailed or approved by the architect, structural engineer and the building official.

- building efficial.

  7. The contractor shall arrange for observation of the work by the soils engineer. The following are requirements of the soils engineer engineer engineers are considered and certified in compliance with the soils report by the soil engineer prior to placing concrete or steel.

  b. Soil conditions, including compacting and moisture content, shall be inspected and certified to be in compliance with the soil resport by the soils engineer prior to placing concrete or steel.

  c. A certificate of compliance shall be submitted to the building official prior to his foundation inspection and to the architect and structural engineer.
- Inspection and to the architect and structural engineer.

  I Prior to the contractor requesting a fluiding lapparturn foundation inspection
  engineer shall advise the building official in writing that.

  I the building paid was prepared in accordance with the soil report.

  I the building paid was prepared in accordance with the soil report.

  I have been applied to the properties of the prop

## REINFORCED CONCRETE

- All reinforced concrete materials and construction shall conform chapter 4 CRC.
   Cement shall conform to ASTM CBU. Where a project soils report is provised, verify site specific criteris, such a protection against soil controlley, prior to construction.
   Concrete aggregates: natural sands and rock aggregates shall conform to ASTM cBJ.
   Reinforcing seek ability conform for SMM CBJ. Grade 600 for all sizes.
- 5. Dowels shall be equal in size and spacing.
- 6. The (28 days) concrete compressive strength, f'c, shall be min 3000 PSI U.N.O.
- The (28 days) concrete compressive strength, Fc, for concrete in contact with soil with weight percentage of sulfate (So<sub>2</sub>) 2.1.0 shall be 4000 psi, and with weight percentage of sulfate (So<sub>2</sub>) ≥ 2.0 shall be 4500 psi. Special inspection is not required.
- Special inspection is required for concrete with fc > 3000 PSI unless the use of concrete with fc > 2500 psi is solely for item #8 above.
- Reinforcing dowels, bolts, anchors, sleeves, etc to be embedded in concrete shall be securely positioned and approved by the local building official before concrete placement.
- 10. Dimensions shown for location of reinforcing are to the face of concrete and denote clear coverage uno. Coverage shall be as follows uno on plans: 3" clear for concrete cast against earth, all 1/2" clear for concrete cast against earth, and 1/2" for all other

## DESIGN CRITERIA

**GENERAL REQUIREMENTS** 

	PROJECT	DESIGN CR	HERIA					
SPECIAL INSPECTORS								
	Bui	lding code	le 2019 CBC					
	Occupano	y category	11					
	GEOTECHIN	IICAL PARAN	IETERS					
	Soil	enginieer	GEOCON INCORPORATED					
	Repo	rt number	r G2549-32-06					
		Date	09-06	09-06-2021				
Allowable	soil bearin	g pressure	2000	PSF				
Allow	rable passiv	e pressure						
	SEISMIC DE	SIGN PARAN	TETERS					
Seismic design category D								
Seismi	1.0							
	D							
Short period sp	ectral accel	eration, S <sub>S</sub>	0.889	•				
1st period spi	0.315							
Short period accel	0.678							
1 second accel			0.417					
Response modification factor, R <sub>x</sub>				6.5				
Response modification factor, R <sub>i</sub>				6.5				
Seismic response coefficcient, C <sub>SX</sub>				0.1				
Seismic response coefficcient, C <sub>SF</sub>				0.1				
Design base shear, V <sub>X</sub> Design base shear, V <sub>Y</sub>				0.073W 0.073W				
				w				
		IGN PARAM						
		ign speed	96 M	РН				
		category	С					
GRAVITY D	ESIGN PARA	METERS: (PS	F, SERV	ICE LO.	ADS)			
	Dead	Roof live	Sn	low	Live	Tota		
Roof	10	20			-	30		
Floor								
Exterior wall	17					17		
Interior wall	10					10		
	VERTICAL D	ESIGN DEFLI	CTION					
	1	otal load	Live load					
Roof member	1/2	40 (U.N.O)	L/360 (U.N.O)					
			L/480 (U.N.O)					

## GENERAL NOTES

Victorior NOT 120 with the following:

Votr performed ballactomers with the following:

Votr performed ballactomers with the following:

Votr performed ballactomers with the following the following

In case of conflict, the more stringent requirement shall govern.

No deviations from these requirements and structural details shall be made without the written approval of E.O.R.. Approval by the inspector does not constitute authority to deviate from plans or specifications.

The design, adequacy, and safety of erection bracing, shoring, temporary supports, etc is the sole responsibility of the contractor and has not been considered by the structural engineer. The The design, adequacy, and safety of erection bracing, shoring, temporary supports, etc is the sole responsibility of the contractor and has not been considered by the structural engineer contractor is responsible for the stability of the structure prior to the application of all shearwalls, roof diaphragms, and finish materials. Contractor shall provide the necessary bracing to provide stability prior to the application of the aforementioned materials. Observation visits to provide stability prior to the application or the aforementioned materials. Upservation visits to the site by the structural engineer shall not include inspection of the above items. Special inspection per Building Code Sec. 1704 is required & applies to the types of work indicated as the stability of the special inspection per Building Code Sec. 1704 is required & applies to the types of work indicated as the stability of the special inspection and inspection and secreptibilities changing the special inspection. on sheet GNB (Note: Special inspectors qua Building Code Section 1701 Requirements.)

Structural analysis for this project is done per applicable Building Code at the time of design considering standard of care.

considering standard of care.

Upon completion of above by the engineer & prior to start of construction, contractor is responsible to check all dimensions, coordinate with the work of other consultants & other trades to ensure compliance with his/her requirements

E.O.R. shall have no liability for waterproofing or moisture transmission issues, whether related to concrete slabs, footings, foundations, or otherwise. The General Contractor/ Owner shall be responsible for the proper installation of the waterproofing and moisture protection specified by

## TYPICAL ABBREVIATIONS A.B. Anchor bolt

A 604 A 54 A	F.O.S. Face of studs
ABV. Above	F.P. Full penetration
BAR. Reinf. Bar	FTG. Footing
BD. Board	GA. Gauge
BK'G. Blocking	GALV. Galvanized
BLW. Below	GLR. Glue-laminated beam
BM. Beam	
B.N. Boundary nail	GR.BM. Grade beam
B.O.B bottom of beam	GWB. Gypsum wallboard
B.W. Both ways	H. High
CF. Continuous footing	HDR. Header
CJ. Ceiling joist	HFX hardy frame
COL. Column	HGT. Height
CONC. Concrete	HORIZ. Horizontal
CONT. Continuous	K.P. King post
C.P.E. Cont. Panel	L. Length
D. Deoth	LT.WT. Light weight
DRI Double	L.V.L. Laminated veneer lumber
	MAS. MasonryM.B. Machin
	MLB. Micro=lam beam
DIA. Diameter	(N) new
DO. Ditto	N.G. Natural grade
(E) existing	O/C on center
E.W. Each way	P.J. Pour joint
E.J. Expansion joint	PLB. Parallam beam
E.N. Edge nail	
E.Q. Equal floor beam	
F.G. Finish grade	P.T. Pressure treated
F.J. Floor joist	R.B. Roof beam
FL. Flush	REINF. Reinforcing
FMG. Framing	REQ'D required
F.N. Field nail	RF. Roof
F.O.C. Face of concrete	RR. Roof rafter
F.O.M. Face of masonry	T.O.B Top of beam
1.0.m. ruce of majority	V.I.F. Verify in field

# SHEET INDEX

GN - General Notes & Requirements. S101 - Structural Plan SD.1 - Structural Details

GN

	RECORD DRAWIN	BANAN INC. structural - civil 406 99 Am. \$502 5m Diego, CA 92101 Tot: 410.705.9309 reak-brind/@grysil.ocen		MO. (34984 E) MO. (34984 E) VICE TO COMPANY SIGNATURE	ROLANDO PARK BALL PARK RESTORATION LA MESA, CA								
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Ĺ						CITY ENGINEER ROCAGG21/LS 6749 DATE							
				BENCH MARK		DESCRIPTION	-	BY	APPROVED	DATE	FILVED		
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		KEI EKENGE I EANS.											
	CITY OF LA MESA											ODNINOL CERTIFICATION	
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											LAMBERT COORDINATES		
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