



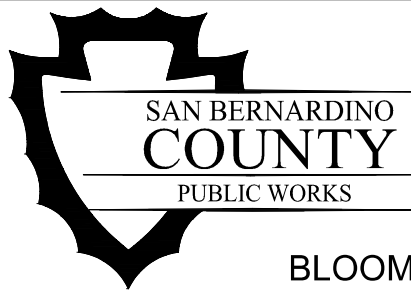
SECTION G
CONTRACT DRAWINGS

**KESSLER PARK
DREAM FIELD PROJECT**

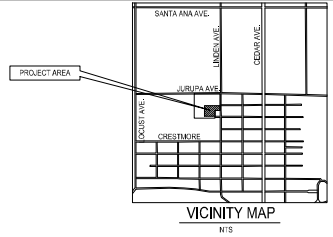
FOR

**BLOOMINGTON RECREATION & PARK DISTRICT
BLOOMINGTON, CALIFORNIA**

PROJECT NO.: 30.30.0154



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS SPECIAL DISTRICTS KESSLER PARK DREAM FIELD JURUPA AVENUE AND LINDEN AVENUE BLOOMINGTON AREA OF UNINCORPORATED SAN BERNARDINO COUNTY, CA



PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

1. ALL AVAILABLE RECORDS FROM THE OWNER AND UTILITY COMPANIES HAVE BEEN INVESTIGATED AND ALL KNOWN UTILITY CONDUITS AND SUBSTRUCTURES ARE SHOWN HEREON. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITY CONDUITS AND SUBSTRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS BY "NOT HAVING" PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR AND/OR REPLACEMENT OF SAND UTILITY CONDUITS AND SUBSTRUCTURES DAMAGED BY ITS OPERATION IN CONNECTION WITH THE LIMITS OF THIS PROJECT. CONTRACTOR TO NOT HIGRAVE (BURY) EXISTING UTILITY CONDUITS OR ALL EXISTING UTILITY CROSSING PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE PROJECT DRAWINGS. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN BY THE CONTRACTOR.
2. EXISTING UTILITIES SHALL BE MAINTAINED IN PLACE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. RELOCATION OR REMOVAL OF ANY EXISTING UTILITIES NOT COVERED BY THESE PLANS SHALL BE PERFORMED BY OR UNDER THE DIRECTION OF THE RESPECTIVE UTILITY OWNERS AT THE EXPENSE OF THE DEVELOPER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL, IF ANY, EXISTING SURVEY MONUMENTS.
4. THE CONTRACTOR SHALL POSSESS A VALID STATE CONTRACTORS LICENSE AND SHALL BE REQUIRED TO POSSESS A VALID CITY BUSINESS LICENSE WHILE PERFORMING WORK ON THIS PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF ANY WORK COVERED BY THESE PLANS.
6. THE CONTRACTOR(S) AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
7. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND/OR THE ENGINEER OF RECORD.
8. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN HEREON AT THE JOB SITE PRIOR TO ANY CONSTRUCTION. THE ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES. REVISIONS TO THE PLAN SHALL BE APPROVED BY THE ENGINEER IN WRITING PRIOR TO IMPLEMENTATION.
9. UNAUTHORIZED CHANGES: THE ENGINEER PREPARING THESE PLANS WILL BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND BE APPROVED BY THE PREPARER OF THESE PLANS.

SURVEYOR'S NOTE

THIS MAP IS NOT A BOUNDARY SURVEY. NO PROPERTY CORNERS HAVE BEEN SET AS PART OF THIS WORK. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, EASEMENTS, IF ANY, ARE NOT SHOWN.

SURVEY MONUMENTS FOUND IN THE COURSE OF THIS SURVEY HAVE BEEN SET BY OTHERS, AND USED ONLY AS REFERENCE FOR PURPOSES OF TOPOGRAPHIC MAPPING. WITHOUT THE VERIFICATION OF ITS AGREEMENT WITH AVAILABLE LEGAL DESCRIPTIONS AND SENSIBILITY OF DEEDS, RELIANCE OF TOPOGRAPHIC FEATURES (FENCES, WALLS, TREES, POWER POLES, ETC.) TO PROPERTY LINES SHOWN ON THIS MAP IS SUBJECT TO THE ADJUSTMENTS TO ANY BOUNDARY SURVEY THAT IS TO BE DONE ON THE PROPERTY.

UTILITIES SHOWN ARE A COMPILED OF EXISTING RECORD DRAWINGS AND FOUND SURFACE INDICATIONS. NO WARRANTY IS MADE TO THE ACCURACY EXISTING UTILITIES SHOWN HEREON.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND TO THE LATEST EDITION OF THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A CURRENT AND APPROVED SET OF PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR CONSTRUCTION INSPECTION AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE ITSELF WITH THE JOB SITE AND THE LOCATION OF ALL UNDERGROUND FACILITIES SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIG ALERT REQUESTS AND EXPEDITORY EFFORTS NECESSARY TO VERIFY ANY UNDERGROUND OBSTRUCTIONS. THE CONTRACTOR SHALL BE UNLAWFULLY RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING UTILITIES THAT ARE SHOWN OR NOT SHOWN ON THESE PLANS.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE, COUNTY OR LOCAL PERMITS.
6. CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT AND ENCROACHMENT PERMIT OR OTHER REQUIRED PERMITS FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION, PRIOR TO ANY WORK WITHIN THE COUNTY RIGHT OF WAY BY CALLING (909) 367-7910.
7. THE CONTRACTOR SHALL NOTIFY ALL SERVING UTILITY COMPANIES 48 HOURS PRIOR WHEN WORK IS TO BE PERFORMED NEAR THEIR FACILITIES BY CALLING 911.
8. CONTRACTOR SHALL ENSURE THAT EASEMENTS HAVE BEEN RECORDED PRIOR TO START OF WORK.
9. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE UNDERSIGNED ENGINEER AND SAN BERNARDINO COUNTY SPECIAL DISTRICTS.
10. THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
11. ALL STATIONING IS BASED ON THE CENTER LINE OF THE STREET.

GENERAL NOTES CONTINUED

1. 12" ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPEN TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY SPECIAL DISTRICTS.
2. ALL WORK SHALL BE CONSTRUCTED ACCORDING TO THE VERTICAL AND HORIZONTAL MEASUREMENTS OF THESE PLANS AND EXISTING DESIGN STANDARDS. ADEQUATE STAKES SHALL BE SET UNDER THE DIRECTION OF A LICENSED SURVEYOR/ENGINEER FOR THE CONTRACTOR. ALL CONSTRUCTION SURVEYING SHALL BE PERFORMED IN ACCORDANCE TO THE SURVEYING PROCEDURES OF THE SURVEYOR/ENGINEER OF RECORD. IF THIRD PARTY SUBCONTRACTORS PERFORM THE CONSTRUCTION LAYOUT AND SURVEYING FOR THIS PROJECT WITHOUT THE COORDINATION OF THE SURVEYOR/ENGINEER OF RECORD, THEY HAVE ASSUMED THE POSITION OF SURVEYOR/ENGINEER OF RECORD. THE FINAL CHECK OF THIS DESIGN IS TO BE THE CONSTRUCTION STAKING AS THE DESIGN WITH THE EXISTING CONTROL AND ELEVATIONS. ALL EXISTING DISCREPANCIES TO THE STANDARD DESIGN CRITERIA SHALL BE BROUGHT TO THE SURVEYOR/ENGINEER OF RECORD'S ATTENTION PRIOR TO PROCEEDING WITH CONSTRUCTION. IF CONSTRUCTION CONTINUES WITHOUT VERIFICATION THE CONTRACTOR ASSUMES THE RESPONSIBILITY OF THE CORRECTNESS OF THE INTENDED DESIGN.

EARTHWORK QUANTITIES

CUT: 2.00 CY
FILL: 10.00 CY
NET EXPORT: 2.00 CY

EARTHWORK AND MATERIALS QUANTITIES ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR TO PERFORM THEIR OWN TAKE-OFFS FOR CONSTRUCTION. ENGINEER MAKES NO WARRANTIES TO THE ACCURACY OF SAID QUANTITIES.

DECLARATION OF ENGINEER OF RECORD

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS (SD) IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THAT THE PLANS COMPLY WITH SD PROCEDURES, APPLICABLE POLICIES AND ORDINANCES. THE REVIEW, RECOMMENDATIONS AND APPROVALS ARE NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS. AS ENGINEER OF RECORD, I AGREE TO INDEMNIFY AND HOLD SD, ITS OFFICERS, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENCE, ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF RECORD. I HAVE READ AND INFORMED THE PROJECT APPLICANT/DEVELOPER THAT APPROVAL OF THESE PLANS DO NOT RELIEVE THEM FROM THE REQUIREMENTS OF THE DESIGN CONDITIONS.

BY: *David Doublert* DATE: 04/29/2024
NAME: ROSE NO. DATE

NOTIFICATIONS

- AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL NOTIFY:
1. SPECIAL DISTRICTS - (909) 368-8880
 2. PERMIT AGENCY: COUNTY OF SAN BERNARDINO, DEPARTMENT OF PUBLIC WORKS, (909) 368-8019
 3. UNDERGROUND SERVICE ALERT (USA): 811
 4. ALL OTHER AFFECTED AGENCIES THAT ARE NOT MEMBERS OF USA ALERT

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OWNER/APPLICANT

S.D. COUNTY OF PUBLIC WORKS
222 W. BELT ROAD, SUITE 213
SAN BERNARDINO, CA 92415
TEL: (909) 368-8800

ENGINEER

PSOMAS
1800 SPRUCE STREET, SUITE 400
ROVERSE, CA 92507
TEL: (951) 300-8212

LANDSCAPE ARCHITECT

LLOYD SPURTS & ENGINEERING
860 W. BELT ROAD, SUITE 213
TEMPLE, CA 92581
TEL: (951) 633-4226

ELECTRICAL ENGINEER

PSBINC
5000 E. SPRING STREET, SUITE 800
SAN BERNARDINO, CA 92415
TEL: (951) 497-2009

UNDERGROUND SERVICE ALERT

Call: TOLL FREE
1-800-227-2600
OR
811
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK

2024+100 (4048.5)
FOUND 800 PPM WORK BENCH MARK AT
THE SECTION CORNER AT CENTERLINE
INTERSECTION OF JURUPA AVENUE AND
LINDEN AVENUE DOWN 600' PER KESSLER
PARK SHOWN ANY COMMON NECESSARY
GRADING PLANS BY LAND BENCHMARK AND
ADJUST

BASIS OF BEARINGS

THE BEARING SHOWN HEREON ARE BASED UPON THE
BEARING OF 90°00'00" ALONG THE CENTER LINE OF
JURUPA AVENUE AND LINDEN AVENUE AND
ADJACENT RECORD OF SURVEY PLANS 14/61-63
NAD83, ZONE 5



PSOMAS
1550 SPRUCE STREET, SUITE 400
ROVERSE, CA 92507
(951) 307-8421 www.psomas.com
PREPARED UNDER THE SUPERVISION OF:
David Doublert 00005 04/29/2024
PROFESSIONAL ENGINEER R.C.E. No. DATE

REVISIONS				
MARK	DATE	INITIAL	DESCRIPTION	APPROV.

PLANS APPROVED BY:			
SAN BERNARDINO COUNTY - PUBLIC WORKS			
SPECIAL DISTRICTS			
David Doublert		Digitally signed by David Doublert	
ASSISTANT DIRECTOR		Date: 2024.04.30 08:13:20 -0700	
APPROVALS	PROJECT MANAGER		INITIAL DATE
	CIVIL DIVISION MANAGER		INITIAL DATE
	ELECTRICAL DIVISION MANAGER		INITIAL DATE
	LANDSCAPE DIVISION MANAGER		INITIAL DATE

KESSLER PARK DREAM FIELD

TR/PM/APN. NO. 0256-141-25

TITLE SHEET

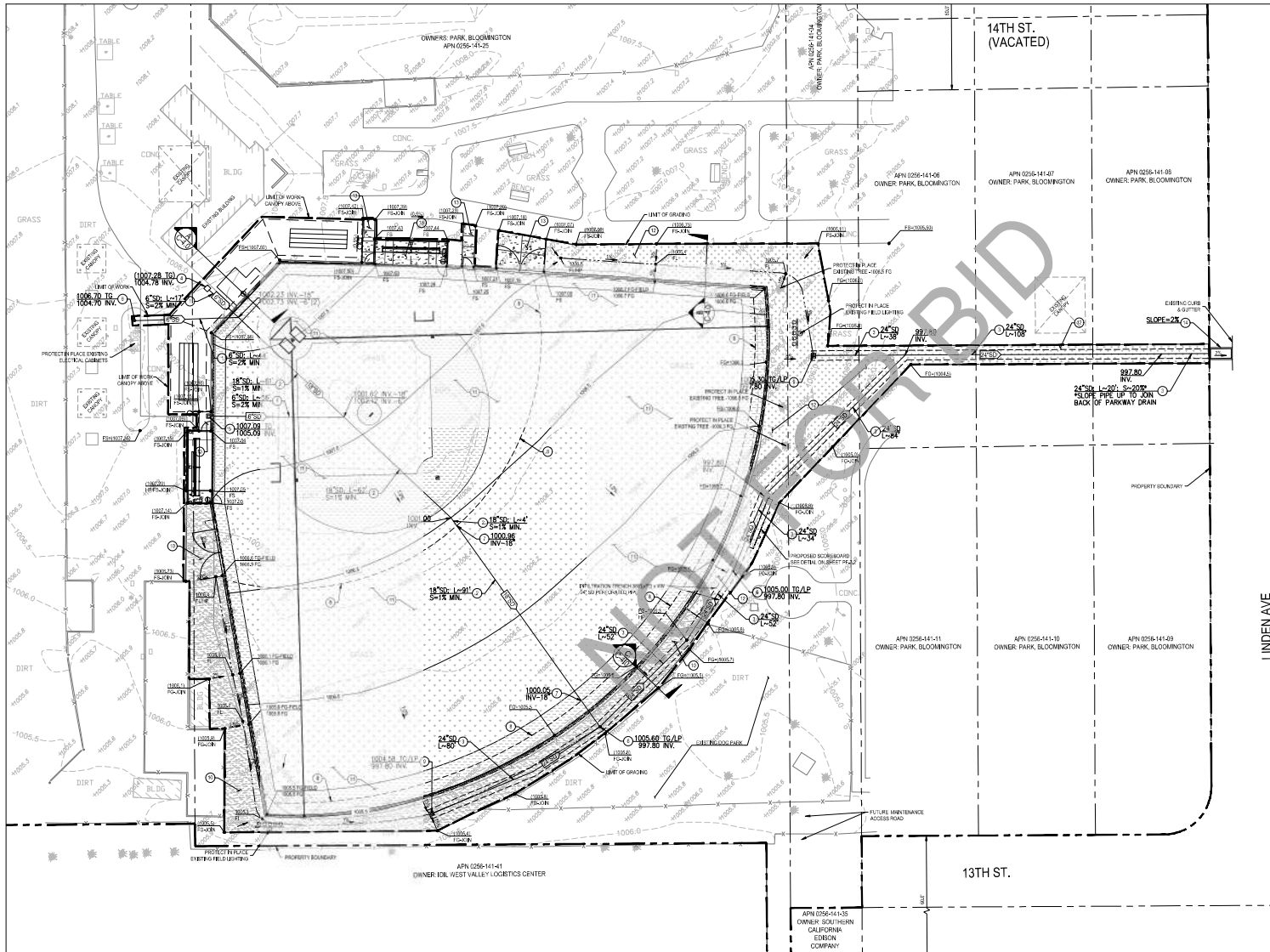
DWG NO.

C-1.0

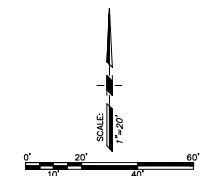
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SD-XXX

SHEET 1 of 26



- STORM DRAIN CONSTRUCTION NOTES:**
- ① INSTALL PVC STORM DRAIN PIPE, SIZE, LENGTH AND SLOPE PER PLAN. INSTALL PIPE IN TRENCHES PER DETAIL 1 ON SHEET C-4.0.
 - ② INSTALL HDPE STORM DRAIN PIPE, SIZE, LENGTH AND SLOPE PER PLAN. INSTALL PIPE IN TRENCHES PER DETAIL 1 ON SHEET C-4.0.
 - ③ INSTALL INFILTRATION TRENCH WITH PERFORATED HDPE STORM DRAIN PIPE PER SECTION C ON SHEET C-4.0. SIZE, LENGTH AND SLOPE PER PLAN.
 - ④ MODIFY AND CONNECT STORM DRAIN TO EXISTING CATCH BASIN INLET.
 - ⑤ INSTALL 12"x12" BROOKS PRODUCT CATCH BASIN INLET OR APPROVED EQUIVALENT. SEE DETAIL 2 ON SHEET C-4.0.
 - ⑥ INSTALL 6" NDS ATRIUM DRAIN OR APPROVED EQUIVALENT PER DETAIL 4 ON SHEET C-4.0.
 - ⑦ CONNECT FIELD DRAIN TO HDPE STORM DRAIN.
 - ⑧ INSTALL FIELD DRAIN PER LANDSCAPE PLANS. SEE SHEET PF-5.0.
 - ⑨ INSTALL 24"x24" BROOKS PRODUCT CATCH BASIN INLET OR APPROVED EQUIVALENT. SEE DETAIL 3 ON SHEET C-4.0.
 - ⑩ INSTALL CRUSHED ROCK (SEE SHEET PF-2.0).
 - ⑪ INSTALL ARTIFICIAL TURF (SEE SHEET PF-2.0).
 - ⑫ INSTALL NATURAL GRASS (SEE SHEET PF-2.0).
 - ⑬ INSTALL CONCRETE (SEE SHEET PF-2.0).
 - ⑭ INSTALL PARKWAY DRAIN PER SPPWC STD. PLAN 151-3 (INLET TYPE 1, S=40').



UNDERGROUND SERVICE ALERT

CALL 811
1-800-227-2860
OR
811

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK:
ELEV. = 1005.51 (NAD83)
FOUND IRON PIPE WORKED BRASS DISK AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF LINDEN AVENUE AND LINDEN AVENUE DOWN 0.00' PER KESSLER PARK SHOCK BAY CONDOMINIUM REDEVELOPMENT PLANS BY DAVID BECKWITH AND ASSOC.

BASIS OF BEARINGS:
THE BEARING SHOWN HEREIN ARE BASED UPON THE BEARING OF 309°15'11" ALONG THE CENTER LINE OF JESSIE AVENUE BETWEEN JESSIE AVENUE AND LINDEN AVENUE PER RECORD OF SURVEY PLANS 142-61-43, NAD83, ZONE 5.



PSOMAS

1550 SPRUCE STREET, SUITE 400
ROVERDIE, CA 92507
951-287-5421 FAX 951-287-5400
PREPARED UNDER THE SUPERVISION OF:
David S. Doublet
CIVIL ENGINEER
No. 00005
DATE: 04/29/2024
R.C.E. No.

REVISIONS			
NO.	DATE	INITIAL	DESCRIPTION

PLANS APPROVED BY:
SAN BERNARDINO COUNTY - PUBLIC WORKS
SPECIAL DISTRICTS
David Doublet
ASSISTANT DIRECTOR
Digitally signed by David Doublet
Date: 2024.04.30 08:18:19 -0700

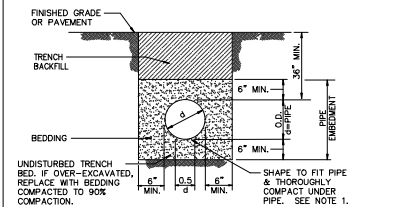
APPROVALS	INITIAL	DATE
PROJECT MANAGER	Charles Hernandez	05/02/2024
CPL DIVISION MANAGER	Henry May	05/02/2024
PLN DIVISION MANAGER	David Doublet	04/29/2024

KESSLER PARK DREAM FIELD

TR/PM/APN, No. 0256-141-25

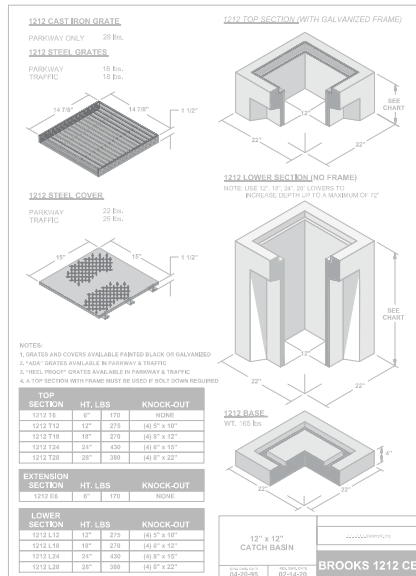
GRADING AND DRAINAGE PLAN

DWG NO. C-3.0
FILE NO. SDD-XXX
SHEET 3 OF 26

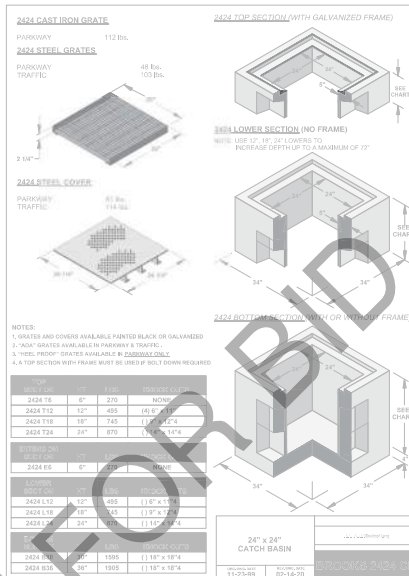


BEDDING: CLEAN COURSE SAND
TRENCH BACKFILL: NATIVE MATERIAL, 90% COMPACTION
CLEAN COURSE SAND: SHALL CONFORM TO THE REQUIREMENTS OF SAND FOR PORTLAND CEMENT CONCRETE AS SPECIFIED IN SECTION 200-1.5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
NATIVE MATERIAL: UP TO CLASS IV SOILS, TYPE M, CL, FINE GRAINED, LL < 50, MEDIUM TO NO PLASTICITY.
NOTE: IF CLASS IV SOIL, TYPE MH OR ALL CLASS V SOILS, THEN USE CLEAN COURSE SAND.
COMPACTION: PIPE EMBEDMENT AND TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 306-1.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. WATER DENSEIFIED BACKFILL SHALL NOT BE USED UNLESS APPROVED BY THE SOILS ENGINEER.
NOTE 1: EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARREL.

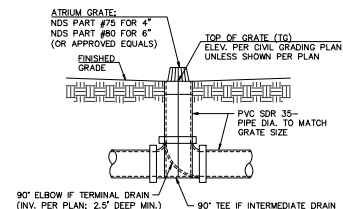
① **STORM DRAIN PIPE TRENCH DETAIL**
 SCALE: NOTE TO SCALE



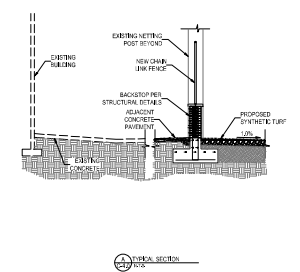
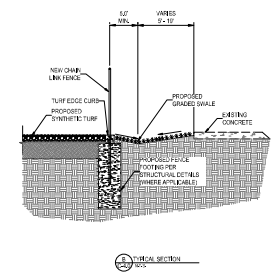
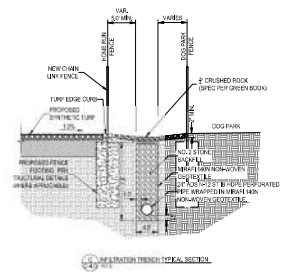
② **BROOKS 12X12 CB DETAIL**
 SCALE: NOTE TO SCALE

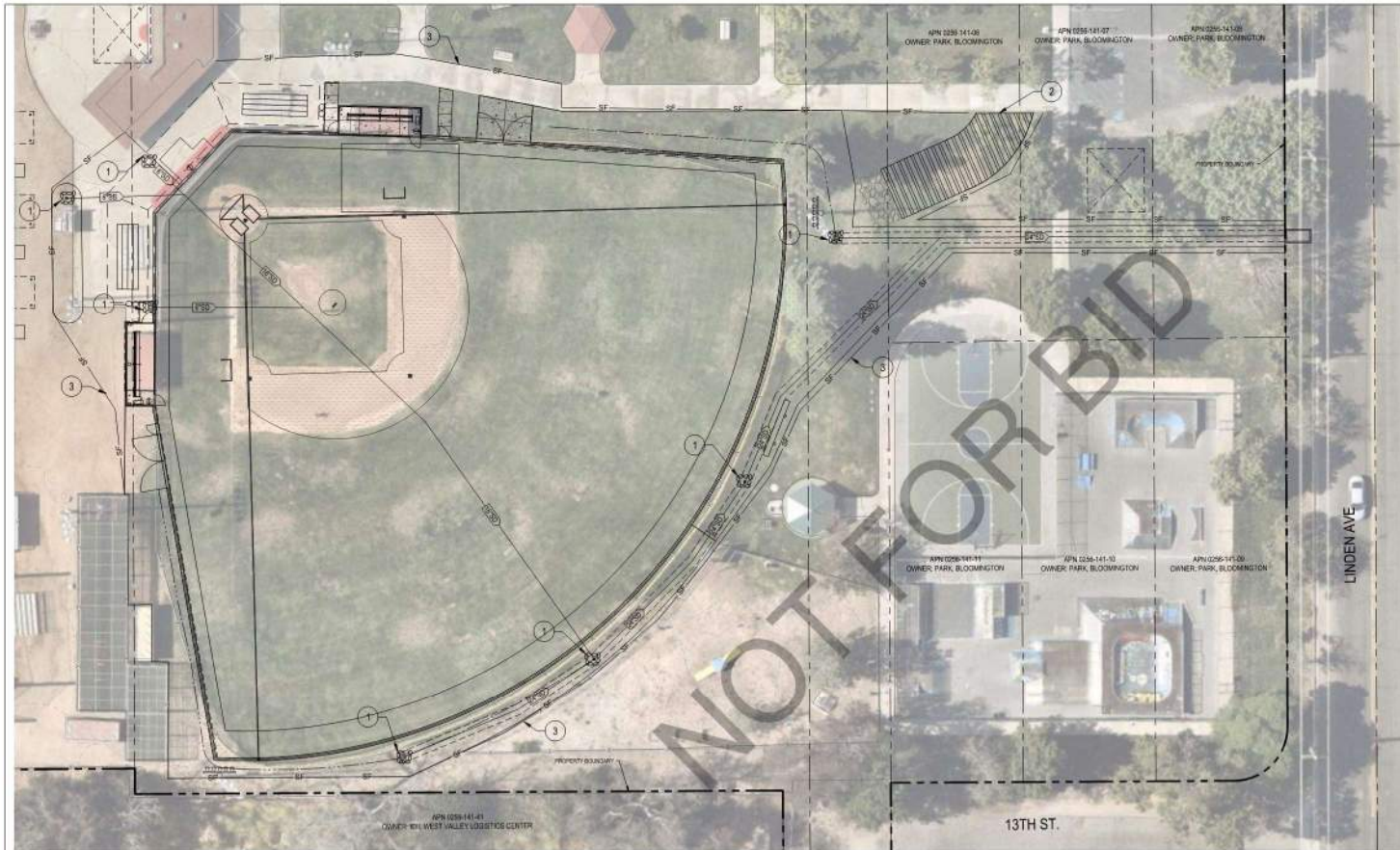


③ **BROOKS 24X24 CB DETAIL**
 SCALE: NOTE TO SCALE



④ **ATRIUM GRATE DRAIN DETAIL**
 SCALE: NOTE TO SCALE



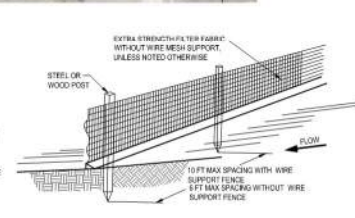
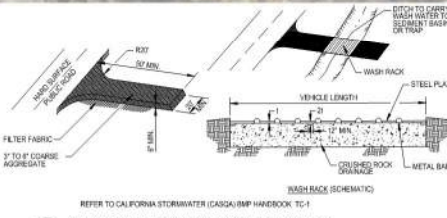
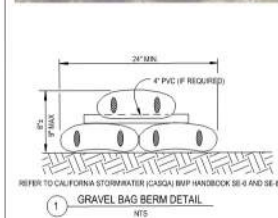


EROSION CONTROL GENERAL NOTES:

1. EROSION CONTROL BMPs SHALL BE IMPLEMENTED AND MAINTAINED TO MINIMIZE AND/OR PREVENT THE ENTRAINMENT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES.
2. SEDIMENT CONTROL BMPs SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT AND/OR MINIMIZE THE TRANSPORT OF SOIL FROM THE CONSTRUCTION SITE.
3. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING OR WIND.
4. APPROPRIATE BMPs FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES BY WIND OR RUNOFF.
5. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES AND MUST NOT BE DISCHARGED TO RECEIVING WATERS OR THE LOCAL STORM DRAIN SYSTEM. WASHWATERS OR REBATEFERS FROM READY MIX CONCRETE OR GEMENT VEHICLES MUST BE HANDLED APPROPRIATELY AND MAY NOT BE DISCHARGED TO RECEIVING WATERS OR ANY STORM DRAIN SYSTEM.
6. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ADJACENT CONSTRUCTION SITES AREAS.
7. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF AS REQUIRED BY APPLICABLE LAWS.
8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED EXCEPT AS AUTHORIZED BY AN INDIVIDUAL MPDES PERMIT OR THE STATE-WIDE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. POTENTIAL POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICALS, SPILLS, WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES, HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES AND ADDITIVES, BODILY PAINT FLAKES OR STUCCO FRAGMENTS, FUELS, OILS, LUBRICANTS AND HYDRAULIC FLUIDS, RADIATOR OR BATTERY FLUIDS, CONCRETE AND RELATED CUTTING OR CURING RESIDUES, FLOATABLE WASTES, WASTES FROM EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING, WASTES FROM STREET CLEANING, AND SILVER CHROMIATED POTABLE WATER FROM LINE FLUSHING AND TESTING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON SITE PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED.
10. THE CONTRACTOR IS REQUIRED TO NOTIFY AND OBTAIN APPROVAL FROM THE CITY (EN 16) DAYS PRIOR TO ANY NON-STORMWATER DISCHARGE OR DEWATERING ASSOCIATED WITH CONTRACTORS' CONSTRUCTION ACTIVITIES.
11. CONSTRUCTION SITES SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING TO THE EXTENT FEASIBLE AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
12. BMPs SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, BMPs SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS.
13. IN ACCORDANCE WITH THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICES HANDBOOK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND INSPECTION OF ALL STORM WATER POLLUTION PREVENTION DEVICES LOCATED ON PRIVATE PROPERTY.
14. EROSION CONTROL DEVICES MAY BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES AT THE DIRECTION OF THE CITY.

CONSTRUCTION NOTES:

1. INSTALL STORM DRAIN INLET PROTECTION PER SE-10 WITH DRAIN INLET PROTECTION TYPE 3 - GRAVEL BAG BARRIER. SEE DETAIL 1 HEREON.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER TO-1. SEE DETAIL 2 HEREON.
3. INSTALL SILT FENCE AS A SEDIMENTATION BARRIER PRIOR TO CLEAR AND GRADE PER SE-1 OR EQUIVALENT BMP MEASURE PER SE-4, SE-6, OR SE-8. SEE DETAIL 3 HEREON.
4. MATERIAL STORAGE AREA LOCATION TO BE DETERMINED BY CONTRACTOR AND MAY BE ADJUSTED AS NECESSARY.



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BENCHMARK:
 ELEVATION: 1005.51 (NAVD83)
 FOUND: 800 PARK BLVD. BRIDGE 100' AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF LINDEN AVENUE AND LARCH AVENUE DOWN DRAIN. PER KESSLER PARK SHOCK DAY CONVEYANCE RECORDING PLANS: 81 2410, 800' NORTH AND 400'.

BASIS OF BEARINGS:
 THE BEARING SHOWN HEREON ARE BASED UPON THE BEARING OF 200.00 S 11° W ALONG THE CENTER LINE OF LARCH AVENUE BETWEEN LARCH AVENUE AND LINDEN AVENUE. PER RECORD OF SURVEY PLANS: 81 2410-41, 81 2410-42, 81 2410-43.



PSOMAS
 1650 SPRUCE STREET, SUITE 400
 RIVERSIDE, CA 92507
 (951) 787-8421 www.psomas.com
 PREPARED UNDER THE SUPERVISION OF:
 David S. Gaudin, Professional Engineer, No. 00005, DATE: 04/28/2024

REVISIONS	DATE	INITIAL	DESCRIPTION	APPROVAL

PLANS APPROVED BY:			
SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS			
David Doublet		Digitally signed by David Doublet	
ASSISTANT DIRECTOR		Date: 2024.04.28 09:36:36 -0700	
PROJECT MANAGER	Charles Hernandez	INITIAL	DATE
CPS DIVISION MANAGER	Henry Mac		
PWL DIVISION MANAGER			

KESSLER PARK DREAM FIELD		DATE: NO.
TR/PM/APN. NO. 0256-141-25		C-5.0
EROSION CONTROL PLAN		FILE NO.
		SDD-XXX
		SHEET 5 OF 26

STANDARD ENGINEERING NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL STRUCTURES, UNDERGROUND PIPELINES, ELECTRICAL, AND TELEPHONE CONDUITS, EITHER SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY CONSTRUCTION, AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THESE FACILITIES. THE ENGINEER WILL NOT GUARANTEE ANY ELEVATIONS OR LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNCOVER ALL EXISTING WATER AND SEWER LINES BEING CONNECTED TO, AND TO VERIFY THE LOCATIONS, DEPTH, FLOWLINE ELEVATIONS, AND SIZE OF PIPE, BEFORE ANY CONSTRUCTION BEGINS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROVIDE STATIONING OR DISTANCE ON ALL NEW WATER LINES, VALVES, SERVICES, FIRE HYDRANTS, SEWER LINES, MANHOLES, CLEANOUTS, AND TAPS INSTALLED IN THE PROJECT, TO THE ENGINEER.
4. LLOYD CONSULTING GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION STAKING. THE OWNER AND/OR THE CONTRACTOR SHALL ARRANGE FOR CONSTRUCTION STAKING.
5. ANY CONSTRUCTION PERFORMED WITHOUT THE KNOWLEDGE OF THE COUNTY INSPECTOR OR THEIR REPRESENTATIVE IS LIABLE FOR REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. COMPACT, BEDDING, AND BACKFILL SHALL BE PER STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ANY QUESTIONS RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT INSTALLATION SHALL BE RAISED PRIOR TO THE COMMENCEMENT OF THE WORK IN QUESTION.
9. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT TO CONSTRUCT/INSTALL THE IMPROVEMENT SHOWN ON THESE PLANS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" DRAWINGS TO THE MUNICIPALITY HAVING JURISDICTION, IF REQUIRED.
11. DIMENSIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY.
12. THE INVERT ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN DESIGNED TO PROVIDE AT LEAST FOUR (4) INCHES OF COVER OVER THE TOP OF THE PIPE EXCLUDING THE PAVEMENT THICKNESS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE NEWLY INSTALLED PIPES FROM DAMAGE CAUSED BY CONSTRUCTION ACTIVITY ON THE SITE PRIOR TO THE FINAL PAVEMENT SECTION BEING INSTALLED.
13. ALL VALVE BOXES, METER BOXES, MANHOLE RIMS, SEWER CLEANOUTS RIMS, ETC., SHALL BE ADJUSTED TO FINAL FINISHED GRADE PRIOR TO ACCEPTANCE OF THE WORK BY OWNER.
14. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF CURRENT "TRAFFIC BARRICADE MANUAL".
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
16. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THESE PLANS.
17. THE CONTRACTOR SHALL CALL FOR DIG ALERT (811) TWO DAYS PRIOR TO ANY EXCAVATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL CONSTRUCTION PER PLANS. ANY ADDITIONS, DELETIONS OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE OWNER.
20. QUANTITIES SHOWN HEREON ARE FOR THE PURPOSE OF COUNTY APPROVAL. EACH BIDDER/CONTRACTOR SHALL INDEPENDENTLY DETERMINE QUANTITIES FOR THEIR OWN PURPOSE.
21. THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON THEMSELVES THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES.
22. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL THOROUGHLY REVIEW THE ACTUAL CONDITIONS, REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY IN QUANTITIES. NO CLAIMS SHALL BE MADE AGAINST THE OWNER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
23. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS OR PROGRAMS USED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
24. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES, LIGHTS, IRRIGATION, ETC.
25. PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAYMENT ALL CROSS-SECTION OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CONFLICT WITH ADA OR PLAYING FIELD REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
26. ALL EXISTING UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE, ANY DAMAGE TO EXISTING UTILITIES, WHETHER OR NOT SHOWN IN THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
27. THE OWNER AND APPLICABLE AGENCY SHALL APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION, OR VARIANCE FROM THESE PLANS, ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
28. ANY INSPECTION BY ANY JURISDICTIONAL AGENCY, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.

29. ANY HAULING PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
30. ANY CONSTRUCTION WATER ACCESS IS TO BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. FIRE HYDRANT ACCESS SHALL BE PERMITTED AND METERED BY THE LOCAL WATER DISTRICT AT NO ADDITIONAL COST TO THE OWNER.
31. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION.
32. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

GENERAL SURFACING NOTES

1. THE CONTRACTOR SHALL VERIFY CRITICAL DIMENSIONS, REFERENCE POINTS AND BENCHMARKS.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO PLACEMENT OF CONCRETE AND PERMANENT ITEMS.
3. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTED ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION OF SURFACING MATERIALS.
4. TRANSITIONS BETWEEN PROPOSED IMPROVEMENTS AND THE EXISTING SITE SHALL BE SMOOTH, UNIFORM, AND CONFORM.
5. CONCRETE FINISHES SHALL BE AS NOTED AND SPECIFIED. THE CONTRACTOR SHALL PROVIDE MOCKUPS OF ALL FINISHES OF CONCRETE PER THE SPECIFICATIONS, REFER TO DIMENSIONING PLANS FOR JOINT SPACING.
6. CONTRACTOR SHALL VERIFY FENCE POST LOCATIONS PRIOR TO INSTALLATION OF POSTS OR FOOTINGS AND NOTIFY THE OWNER, ENGINEER OR LANDSCAPE ARCHITECT OF ANY POTENTIAL MISALIGNMENT OR CLEARANCE ISSUES.
7. ALL COMPETITION REQUIRED STRIPES AND MARKINGS SHALL BE IN-PAID AND SHALL MEET THE LATEST REQUIREMENTS OF LITTLE LEAGUE BASEBALL RULES.
8. THE OWNER (OR ITS REPRESENTATIVE) SHALL REVIEW AND APPROVE THE FONTS USED FOR MARKINGS PRIOR TO INSTALLATION OF THE SYNTHETIC TURF.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF THE SUBGRADE AND BASE STONE IN A MANNER THAT MEETS OR EXCEEDS ALL REQUIREMENTS SET IN THESE CONSTRUCTION DOCUMENTS AND IN THE PROJECT GEOTECHNICAL REPORT.
10. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE TURF INSTALLERS WORK.
11. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS AND COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OF SYNTHETIC TURF. SUBMITTALS FOR SHOP DRAWINGS AND COLOR SAMPLES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL MARKS, LINES, LOGOS, AND LETTERS NOT SHOWN ON THESE PLANS MAY BE REQUIRED.
12. THE TURF CONTRACTOR SHALL SUBMIT A SYNTHETIC TURF ROLL PLAN FOR APPROVAL BY THE OWNER AND OWNERS REPRESENTATIVE.
13. THE OWNER (OR ITS REPRESENTATIVE) SHALL REVIEW AND APPROVE THE SHOP DRAWING PRIOR TO PURCHASE OF THE SYNTHETIC TURF.

GENERAL DIMENSION NOTES

1. THE CONTRACTOR SHALL VERIFY CRITICAL DIMENSIONS, REFERENCE POINTS, AND BENCHMARKS, AND NOTIFY ENGINEER PRIOR TO PLACEMENT OF CONCRETE, EQUIPMENT AND PERMANENT ITEMS.
2. EXISTING CONDITIONS MAY VARY FROM SHOWN DIMENSION. CONTRACTOR TO NOTIFY OWNER PRIOR TO CONSTRUCTION IF DISCREPANCIES ARE FOUND.
3. SPORTS LINES AND DIMENSIONS SHALL MEET LITTLE LEAGUE BASEBALL RULES AND REGULATIONS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.

GENERAL DRAINAGE NOTES



1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2800 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
3. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS, ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
4. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION.
5. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
6. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.
7. THE CONTRACTOR IS TO ENSURE THAT ALL DRAINAGE AND UTILITY LINES (ACTIVE AND NEW) ARE PROTECTED AND UNDAAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
8. ALL ABANDONED STORM LINES SHALL BE REMOVED, UNLESS OTHERWISE DIRECTED BY OWNER OR AS SHOWN ON THE DRAWINGS.
9. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POT-HOLING. IN ADDITION, ALL DOWNHILL CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS AND GRADES SHALL BE VERIFIED. CONTRACTOR SHALL FLUSH AND RUN DRAINAGE THROUGH EXISTING DRAINAGE SYSTEM TO REMAIN WITHIN LIMIT OF WORK TO OTHER SYSTEMS/TERMINITY.
10. LENGTHS OF DRAIN LINES BETWEEN PROPOSED AND EXISTING ELEMENTS AND INVERT ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES ON EXISTING DRAIN LINES ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.
11. ANY CONFLICT BETWEEN STORM DRAINAGE SYSTEM AND OTHER UTILITIES SHALL BE REPORTED TO ENGINEER PRIOR TO CONSTRUCTION.

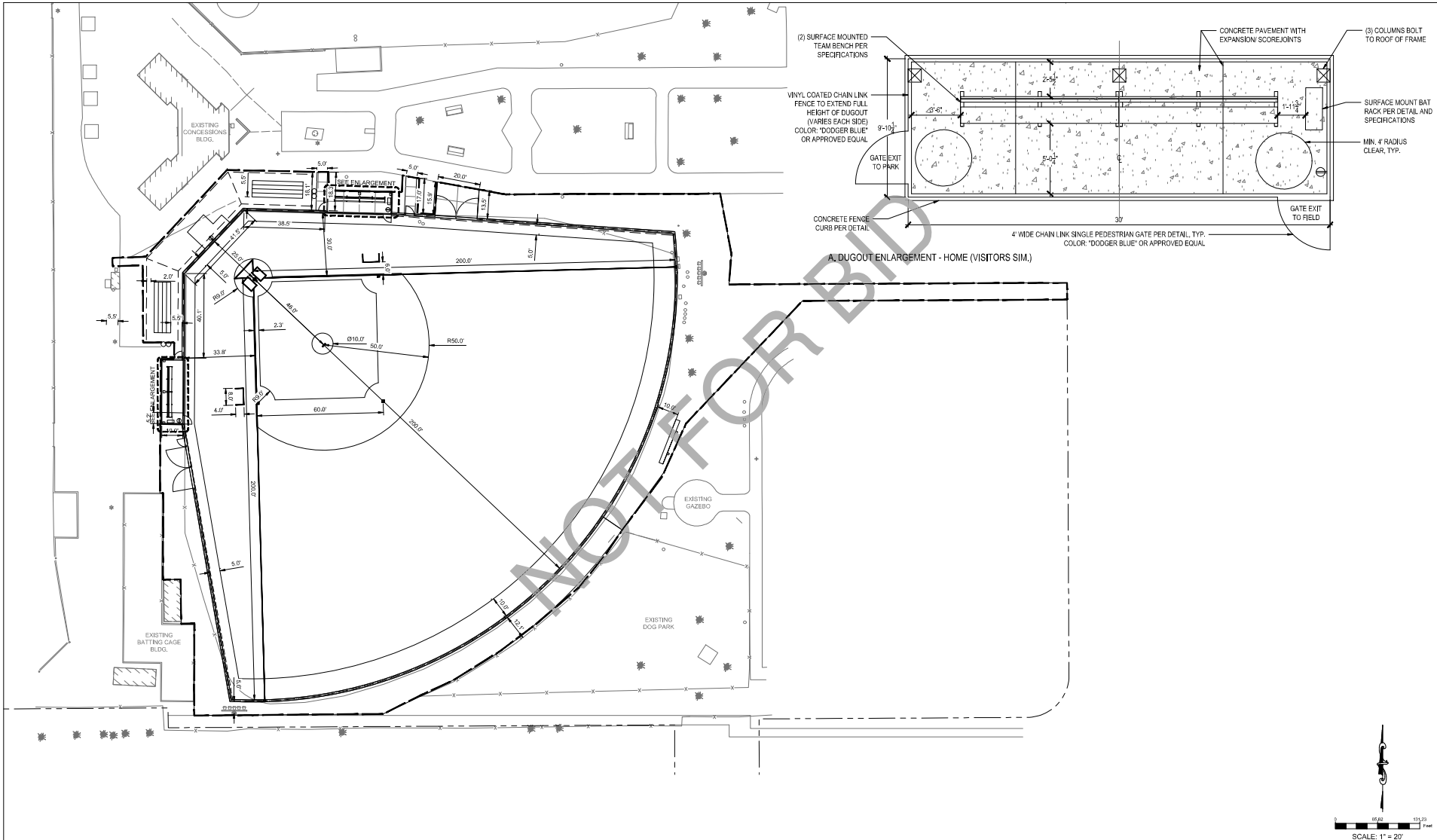
IRRIGATION NOTES

1. CONNECT TO EXISTING MAINLINE AT THE APPROXIMATE LOCATIONS SHOWN. FLOW AND PRESSURE MUST BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 65 PSI AT 100 GPM NOTIFY ENGINEER IMMEDIATELY.
2. REFER TO SPECIFICATIONS FOR ALL PRESSURE TESTING AND FLUSHING REQUIREMENTS.
3. ALL IRRIGATION VALVE AND PIPE SYMBOL LOCATIONS ARE DIAGRAMMATIC. DO NOT INSTALL IRRIGATION EQUIPMENT IN DIRECT CONFLICT WITH UTILITY, LANDSCAPE OR HARDSCAPE ELEMENTS. COORDINATE LOCATION OF ALL NEW AND EXISTING UTILITIES PRIOR TO IRRIGATION INSTALLATION. CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE LOCATED.
4. EXISTING UTILITIES SHOWN ARE FOR REFERENCE ONLY. ADDITIONAL UTILITIES MAY BE PRESENT. CONTRACTOR MUST UTILITY UTILITY LOCATION SERVICE PRIOR TO CONSTRUCTION AND TRENCH WITH CAUTION. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ANY UTILITIES DAMAGED DURING CONSTRUCTION.
5. COORDINATE IRRIGATION COMPONENTS WITH PROPOSED FOOTINGS AND UTILITIES PRIOR TO CONSTRUCTION.
6. CONTRACTOR MUST FAMILIARIZE THEMSELVES WITH EXISTING SYSTEM PRIOR TO CONSTRUCTION. CONTRACTOR IS REQUIRED TO VERIFY THAT FLOW AND AUTOMATIC CONTROL TO ALL LANDSCAPE IRRIGATION SURROUNDING THE FIELD REMAINS FUNCTIONAL DURING AND AFTER CONSTRUCTION. ADDITIONAL CONNECTIONS IN UNKNOWN LOCATION MAY BE REQUIRED BASED EXISTING CONDITIONS. ALL WIRE SPLICES MUST BE MADE IN DEDICATED BOXES AND HAVE LOCATIONS RECORDED ON AS-BUILTS.
7. CONTRACTOR MUST COORDINATE FINAL LOCATION OF CONTROLLER AND PUSH BUTTON TIMERS WITH OWNER AND ELECTRICAL CONTRACTOR PRIOR TO CONSTRUCTION. LOCATION IS SUBJECT TO CHANGE DURING IRRIGATION LAYOUT AND INSTALLATION AT OWNER REQUEST AND POWER AVAILABLE.
8. CONTRACTOR MUST PROVIDE 120V POWER TO CONTROLLER AND PUSH BUTTON TIMERS PER MANUFACTURER REQUIREMENTS AND PER CURRENT ELECTRICAL CODE.
9. SPRINKLER AND MAINLINE RELOCATIONS MUST BE COORDINATED AND FLAGGED IN FIELD FOR ENGINEER REVIEW PRIOR TO INSTALLATION.

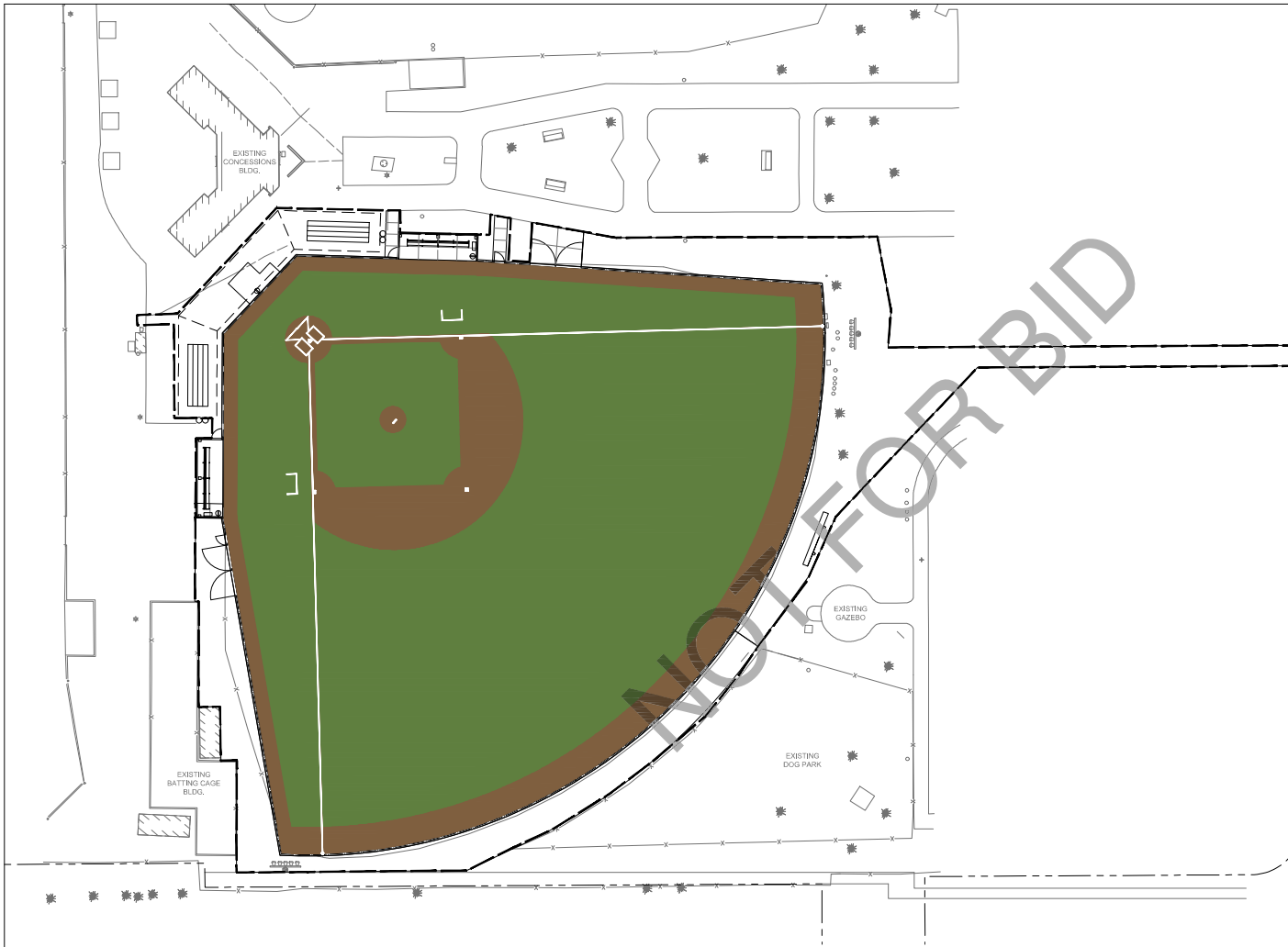
DESIGN ABBREVIATIONS

- BLDG = BUILDING
CL = CENTER LINE
CLR = CLEAR
CO = CLEAN OUT
DB = DRAIN BASIN
EQ = EQUAL
EX = EXISTING
FG = LANDSCAPE/FINISHED GRADE
SYN. IRR. = SYN. IRRIGATION
FL = FLOW LINE
FPA = FINISHED PAVEMENT SURFACE
FT = FEET
INV = INVERT OF DRAIN/PIPE
IR = IRRIGATION
ICV = IRRIGATION CONTROL VALVE
LBS = POUNDS
MM = MANHOLE
NA = NOT AVAILABLE
N.T.S. = NOT TO SCALE
O.C. = ON CENTER
POC = POINT OF CONNECTION
R = RADIUS
RIM = RIM OF DRAIN
SD = STORM DRAIN
SDCB = STORM DRAIN CATCH BASIN
SDI = STORM DRAIN DROP INLET
SDMH = STORM DRAIN MANHOLE
SSCO = SANITARY SEWER CLEAN OUT
SSMH = SANITARY SEWER MANHOLE
STD = STANDARD
TBD = TO BE DETERMINED
TOP = TOP OF CURB
TC = TYPICAL
W = WATER
WW = WATER VALVE

UNDERGROUND SERVICE ALERT	BENCHMARK: ELEVATION: 1005.51 (NAD83) FOUND FROM PIPE W/500 BRASS GUY AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF LINCOLN AVENUE AND LINCOLN AVENUE DOWN GUY FOR KESSLER PARK SNACK BAR CONSIDER PRECISE GRADING PLANS BY DAVID BECKWITH AND ASSOCI.	BASIS OF BEARINGS: ELEVATION: 1005.51 BEARING OF SUBMITTALS ALONG THE CENTER LINE OF LINCOLN AVENUE DOWN GUY FOR KESSLER PARK SNACK BAR CONSIDER PRECISE GRADING PLANS BY DAVID BECKWITH AND ASSOCI.			1650 SPRUCE STREET, SUITE 400 RIVERSIDE, CA 92507 TEL: 951-787-5421 www.psomas.com PREPARED UNDER THE SUPERVISION OF: David S. Gaudin, EITC, 04/29/2024 PROFESSIONAL ENGINEER R.E.C. No. DATE MARK DATE INITIAL DESCRIPTION APPR. DATE	REVISIONS	PLANS APPROVED BY: SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS ASSISTANT DIRECTOR	TR/PM/APN. NO. 0256-141-25 GENERAL NOTES	DWG NO. PF-1.0 FILE NO. SDD-XXX SHEET 7 of 26
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UNDERGROUND SERVICE ALERT		BENCHMARK: ELEVATION: 100.51' (NA83) FOUND FROM PIPE 18/300 BRASS DISK AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF JUNIPER AVENUE AND LINCOLN AVENUE DOWN 60' PER KESSLER PARK SNACK BAR CONDOM PRELIM GRADING PLANS BY DAVID BECKWITH AND ASSOC.		BASIS OF BEARINGS: THE BEARING SHOWN HEREON ARE BASED UPON THE BEARING OF 89°05'57"W ALONG THE CENTER LINE OF JUNIPER AVENUE BETWEEN MAPLE AVENUE AND LINCOLN AVENUE, PER RECORD OF SURVEY P.M.S. 142/81-84, NAD83, ZONE 8.		<div><div><div>STATE OF CALIFORNIA PROFESSIONAL ENGINEER CIVIL NO. 062005</div></div><div><div>PSOMAS</div><div>1850 SPRUCE STREET, SUITE 400 RIVERSIDE, CA 92507 951.787.5421 www.psomas.com PREPARED UNDER THE SUPERVISION OF: <i>David P. Somas</i> 062005 04/28/2024 PROFESSIONAL ENGINEER R.C.E. No. DATE</div></div></div>		REVISIONS		PLANS APPROVED BY: SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS		KESSLER PARK DREAM FIELD		DWG NO. PF-3.0			
<div><div><div>STATE OF CALIFORNIA UNDERGROUND SERVICE ALERT 811</div></div><div>CALL TOLL FREE 1-800-227-2600 CIS 811</div><div>TWO WORKING DAYS BEFORE YOU DIG</div></div>										<div><div>DATE 04/28/2024</div><div>TIME 10:00 AM</div><div>BY DAVID P. SOMAS</div><div>FOR SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS</div></div>		<div><div>DATE 04/28/2024</div><div>TIME 10:00 AM</div><div>BY DAVID P. SOMAS</div><div>FOR SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS</div></div>		FILE NO. SDD-XXX		SHEET 9 OF 26	



GRAPHICS LEGEND

- SYNTHETIC TURF (GREEN)
- SYNTHETIC TURF (NATURAL BROWN)
- SYNTHETIC TURF (WHITE STRIPING)
- KEYNOTE CALLOUT SYMBOL



UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-800-227-2600
811
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK:
ELEVATION: 100.51' (NA83)
FOUND FROM PIPE W/500 BRASS DISK AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF JUNIPER AVENUE AND LINCOLN AVENUE DOWN BLOCK PER KESSLER PARK SNACK BAR CONDOM PRELIM GRADING PLANS BY DAVID BECKWITH AND ASSOC.

BASIS OF BEARINGS:
THE BEARING SHOWN HEREON ARE BASED UPON THE BEARING OF 89°05'57"W ALONG THE CENTER LINE OF JUNIPER AVENUE BETWEEN MAPLE AVENUE AND LINCOLN AVENUE PER RECORD OF SURVEY P.L.S. 143/81-83, NA83, ZONE 5.

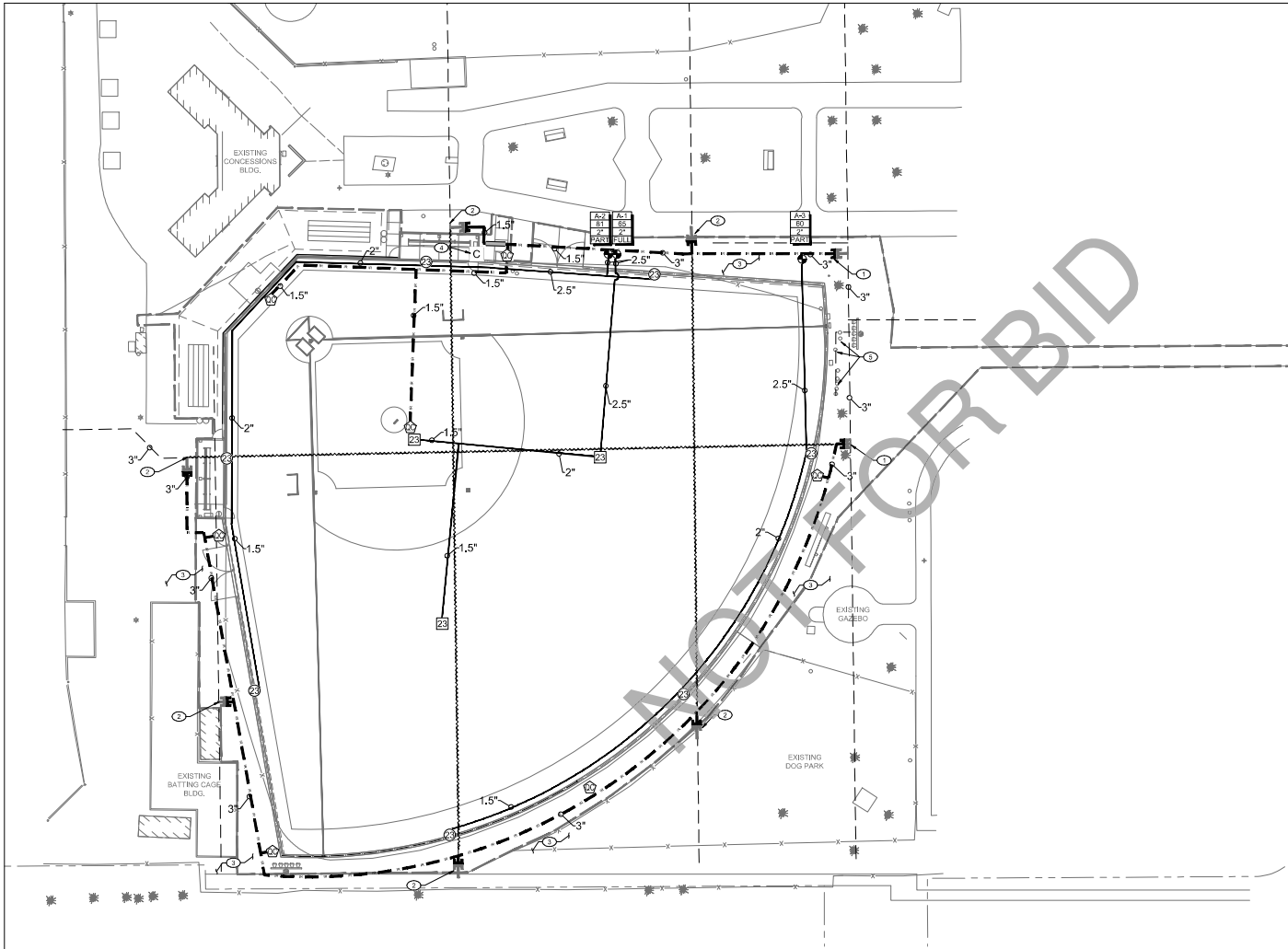


PSOMAS
1850 SPRUCE STREET, SUITE 400
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951.787.5421 www.psomas.com
PREPARED UNDER THE SUPERVISION OF:
PROFESSIONAL ENGINEER R.C.E. No. 04/28/2024

REVISIONS			
MARK	DATE	INITIAL	DESCRIPTION

PLANS APPROVED BY: SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS ASSISTANT DIRECTOR			
PROJECT MANAGER	DATE	INTL	DATE
OPS. DIVISION MANAGER			
PM. DIVISION MANAGER			

KESSLER PARK DREAM FIELD		DWG NO.
TR/PM/APN. NO. 0256-141-25		PF-4.0
TURF GRAPHICS PLAN		FILE NO. SDD-XXX
		SHEET 10 OF 26

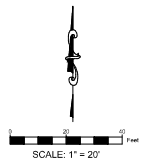


IRRIGATION LEGEND:

- EXISTING IRRIGATION MAINLINE TO REMAIN IN PLACE OUTSIDE OF NEW SYNTHETIC TURF PLAYING FIELD
- EXISTING IRRIGATION MAINLINE TO BE REMOVED AND DISPOSED OF WITHIN THE NEW SYNTHETIC TURF PLAYING FIELD
- CONNECT TO EXISTING IRRIGATION MAINLINE AND CONTROL WIRES AT THE APPROXIMATE LOCATION SHOWN
- IRRIGATION MAINLINE (2.5" EXCEPT WHERE NOTED OTHERWISE) 2.5" AND SMALLER SOLVENT WELD SCH40 PVC W/ SCH 80 FITTINGS 2.5" AND SMALLER - NIBCO T115-K
- ISOLATION GATE VALVE (SIZE TO MATCH MAINLINE) RAHNRD 44-RC
- QUICK COUPLER VALVE (1" SIZE) RAHNRD 44-RC
- INSTALL IN ALUMINUM BOX WITH SYNTHETIC TURF LID WHEN LOCATED WITHIN PLAYING FIELD LIMITS
- DRIP REMOTE CONTROL VALVE RAHNRD PEE W/ COMBINATION PRV AND FILTER BASKET W/ BRONZE ISOLATION BALL VALVE WITH SS HANDLE W/ SCH 80 PVC UNION
- PLAYING FIELD REMOTE CONTROL VALVE DESIGNATOR CONTROLLER - STATION NUMBER
- FLOW RATE (GPM)
- VALVE SIZE (INCH)
- ZONE TYPE (DRIP)
- POP-UP ROTOR (SYNTHETIC TURF COOLING) HUNTER BWS425-TO AND BWS425-OW-TC (TURF CUP REQUIRED)
- NOZZLE RADIUS (FT) FLOW (GPM) ARC
- #23 60' 20.2 180°
- #23CH 60' 21.6 360°
- SLEEVE PIPE 2X NOMINAL SIZE OF CARRIER PIPE INSTALL BELOW ALL HARDSCAPE CROSSINGS
- INSTALL CONTROL WIRE BUNDLE IN 3" WHERE NOT INSTALLED IN MAINLINE TRENCH
- DRIP LATERAL (SIZE PER PLAN - 1" MINIMUM) SCH 40 PVC W/ SOLVENT WELD SCH 80 FITTINGS
- IRRIGATION CONTROLLER HUNTER ASC-1200-S2 WITH (3) COACHES BUTTONS PER DETAILS

IRRIGATION KEYNOTES:

- CONNECT TO EXISTING IRRIGATION MAINLINE AT THE APPROXIMATE LOCATION SHOWN. VERIFY FLOW AND PRESSURE AVAILABLE. CONNECT TO ANY EXISTING CONTROL WIRES AND REROUTE AS NEEDED TO MAINTAIN CONTROL TO ALL VALVES TO REMAIN.
- LOCATE EXISTING IRRIGATION MAINLINE AND DETERMINE IF LINE IS STILL FUNCTIONAL OR PREVIOUSLY ASSOCIATED. IF MAINLINE IS STILL OPERATIONAL, THEN CONNECT PIPE AND WIRES TO MAINTAIN IRRIGATION SERVICE TO EXISTING TO REMAIN IRRIGATION SYSTEM.
- ADJUST SPRINKLER AND LATERAL LOCATIONS TO PROVIDE FULL HEAD TO HEAD COVERAGE IN ALTERED GRASS LANDSCAPE AREAS.
- WALL MOUNT CONTROLLER AND PUSH BUTTONS ON EXTERIOR OF DUGOUT WALL. CONFIRM LOCATION WITH OWNER AND ELECTRICAL CONTRACTOR PRIOR TO CONSTRUCTION.
- PROTECT IN PLACE EXISTING REMOTE CONTROL VALVES THAT FEED GRASS OUTSIDE OF NEW FIELD. ANY VALVES THAT CURRENTLY FEED NATURAL GRASS INSIDE EXISTING FIELD ARE TO BE CARRIED IN VALVE BOX UPSTREAM OF THE RCV VALVE. RETURN VALVES TO OWNER.



UNDERGROUND SERVICE ALERT



BENCHMARK:
ELEVATION: 1002.51' (NA83)
FOUND FROM PIPE N/800 BRASS DISK AT THE SECTION CORNER AT CENTERLINE INTERSECTION OF JUNIPER AVENUE AND LINCOLN AVENUE DOWN ROAD PER KESSLER PARK SNACK BAR CONDOM PRELIM DRAINAGE PLANS BY DAVID BECKWITH AND ASSOC.

BASIS OF BEARINGS

THE BEARING SHOWN HEREON ARE BASED UPON THE BEARING OF 80°00'57" W ALONG THE CENTER LINE OF JUNIPER AVENUE BETWEEN MAPLE AVENUE AND LINCOLN AVENUE DOWN ROAD PER RECORD OF SURVEY P.L.S. 142/81-82, NAD83, ZONE 8.



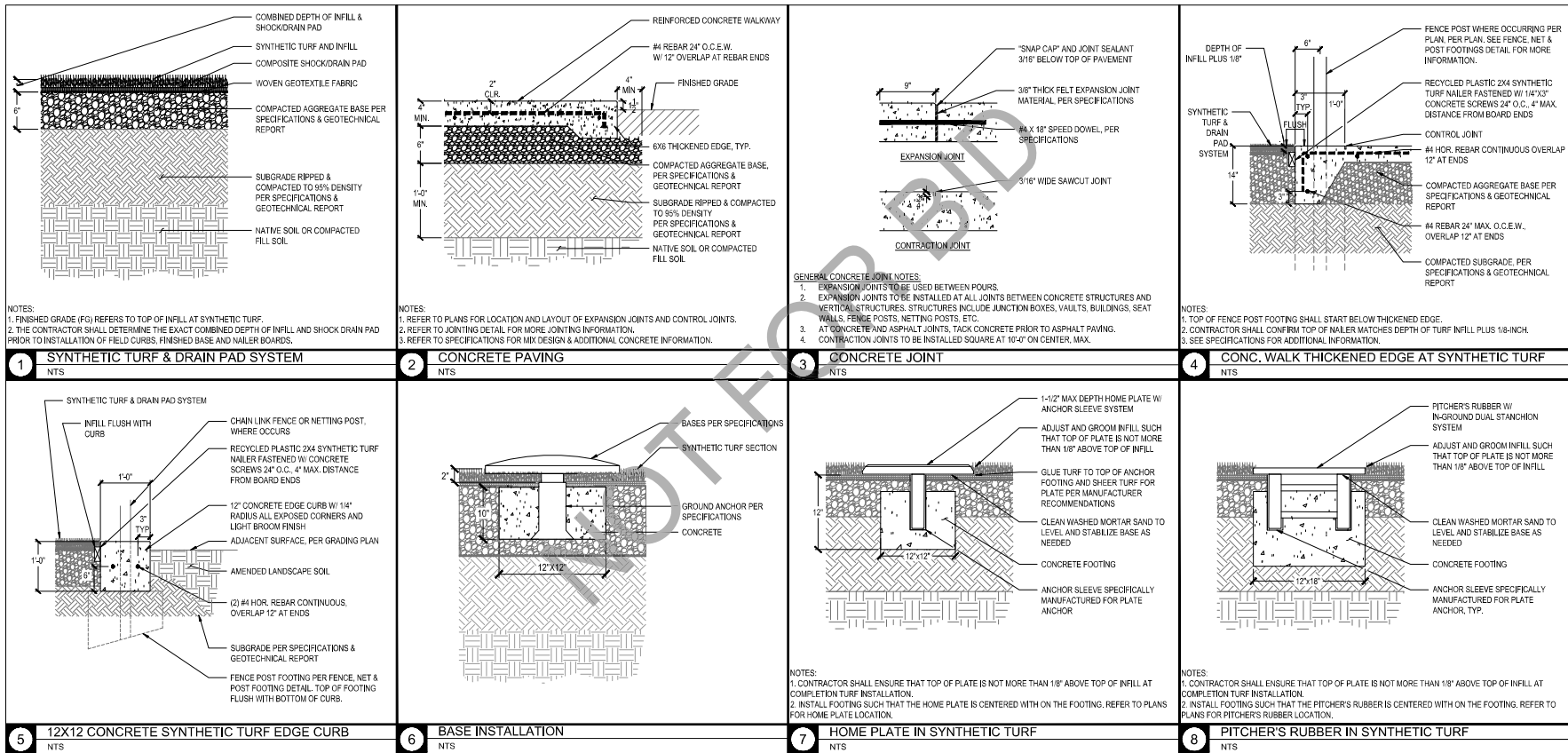
PSOMAS
1850 SPRUCE STREET, SUITE 400
RIVERSIDE, CA 92507
951.787.5421 www.psomas.com
PREPARED UNDER THE SUPERVISION OF:
David P. Somas
PROFESSIONAL ENGINEER R.C.E. No. 04/28/2024

REVISIONS			
NO.	DATE	INITIAL	DESCRIPTION

APPROVALS		DATE	
PROJECT MANAGER	Charles Hernandez	DATE	
OPS. DIVISION MANAGER		DATE	
PR. DIVISION MANAGER		DATE	

SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS		PLANS APPROVED BY	
ASSISTANT DIRECTOR		DATE	
PROJECT MANAGER		DATE	
OPS. DIVISION MANAGER		DATE	
PR. DIVISION MANAGER		DATE	

KESSLER PARK DREAM FIELD		DWG NO.	PF-6.0
TR/PM/APN. NO. 0256-141-25		FILE NO.	SDD-XXX
IRRIGATION PLAN		SHEET	12 OF 26



UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-800-227-2900
CIS
811
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK:
ELEVATION 1002.51' (NA83)
FOUND FROM PIPE W/ 0.500 BRASS DISK AT
THE SECTION CORNER AT CENTERLINE
INTERSECTION OF LINCOLN AVENUE AND
LINCOLN AVENUE DOWN 0.40' PER KESSLER
PARK SHOCK DATA CORRIDOR PRELIM
GRADING PLANS BY DAVID BECKWITH AND
ASSOC.

BASIS OF BEARINGS:
THE BEARING SHOWN HEREON ARE BASED UPON THE
BEARING OF 89°05'57" W ALONG THE CENTER LINE OF
LINCOLN AVENUE BETWEEN MAPLE AVENUE AND LINCOLN
AVENUE, PER RECORD OF SURVEY P.L.S. 142/81-82,
NAD83, ZONE 5.

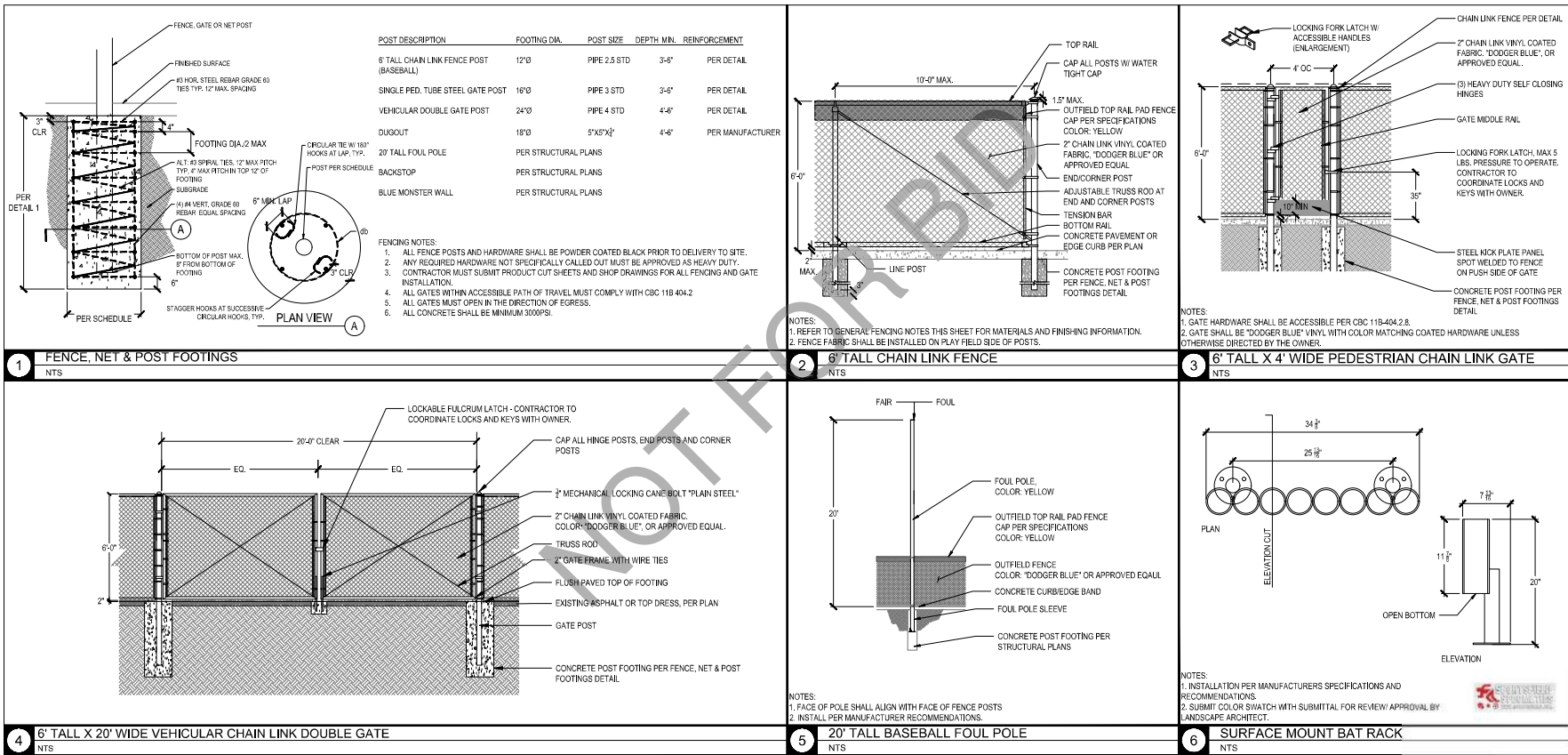


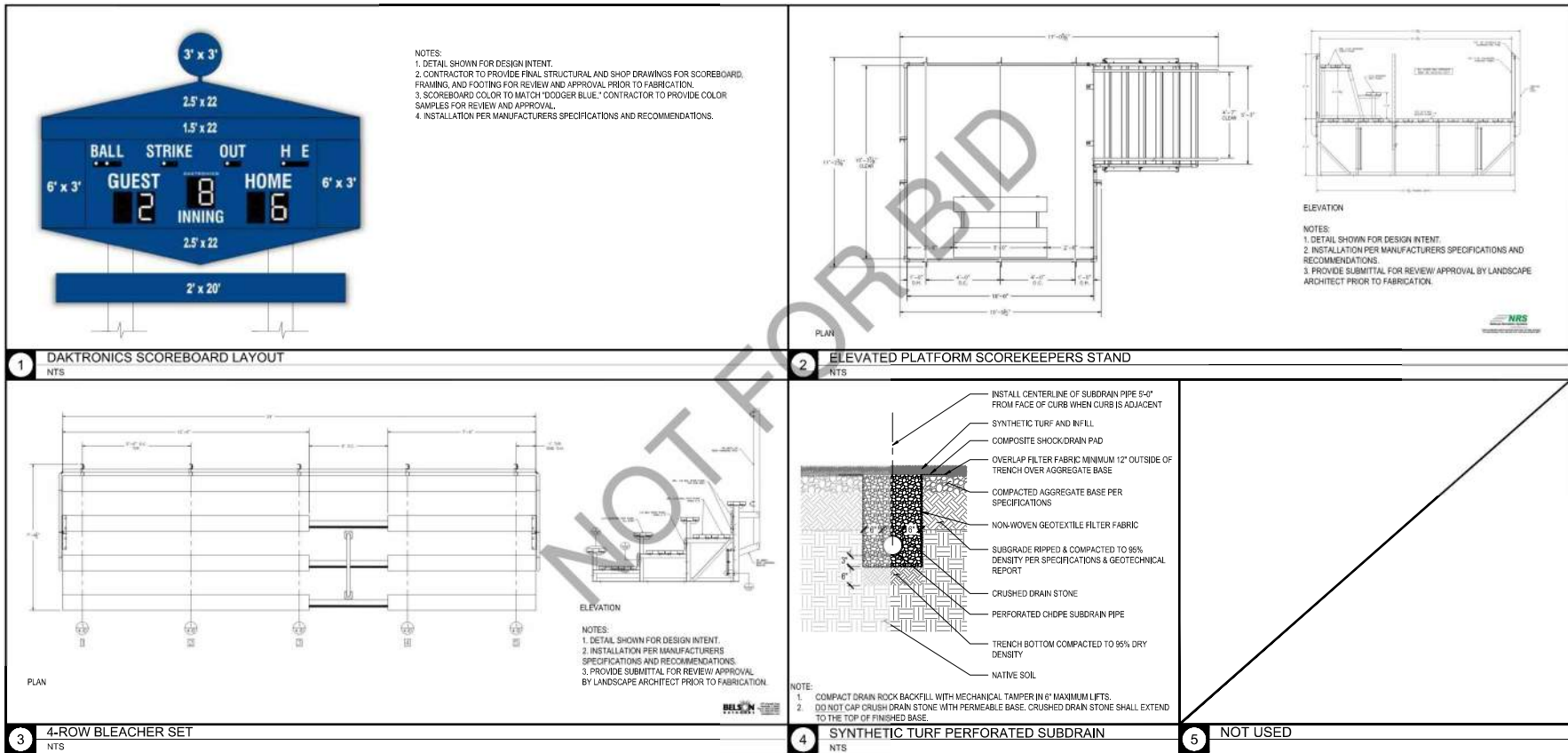
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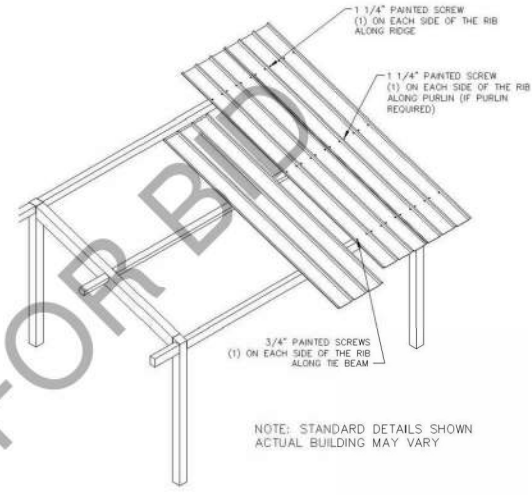
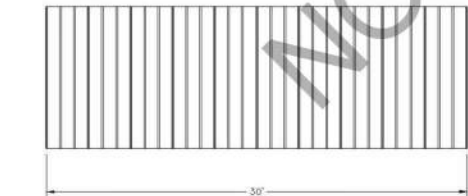
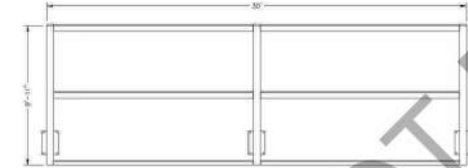
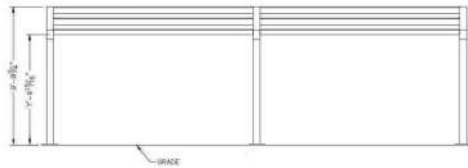
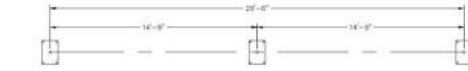
REVISIONS			
NO.	DATE	INITIAL	DESCRIPTION

PLANS APPROVED BY			
SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS			
APPROVALS		DATE	DATE
PROJECT MANAGER	Charles Hernandez		
OPS. DIVISION MANAGER			
PM. DIVISION MANAGER			

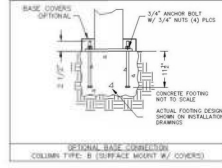
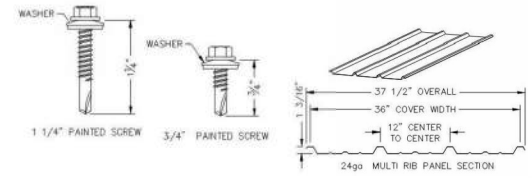
KESSLER PARK DREAM FIELD		DWG NO.
TR/PM/APN. NO. 0256-141-25		PF-7.0
DETAILS		FILE NO.
		SDD-XXX
		SHEET 13 OF 26







NOTE: STANDARD DETAILS SHOWN
ACTUAL BUILDING MAY VARY



ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 10x6x3/16

- NOTES:
1. REFER TO LAYOUT PLAN FOR DIMENSION ENLARGEMENT & CHAIN LINK LOCATIONS.
 2. CHAIN LINK FENCING NOT SHOWN FOR CLARITY.
 3. THIS DETAIL IS FOR REFERENCE ONLY. INSTALL PER MANUFACTURER DETAILS AND SPECIFICATIONS.
 4. PROVIDE SUBMITTAL FOR REVIEW/APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION.
 5. POWDER COATED COLOR: "DODGER BLUE" FOR ROOF; BLACK FOR COLUMNS, HARDWARE, STRUCTURE.
 6. CHAIN LINK FENCE/ CONCRETE PAD NOT SHOWN FOR CLARITY. SEE PLANS FOR LOCATION.



1 30' X 10' ICON SHELTER SYSTEMS CANTILEVER DUGOUT

UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-800-227-2600
CIC
811
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BENCHMARK:
ELEV= 1003.51' (NA83)
FOUND IRON PIPE W/ BRASS DISK AT
THE SECTION CORNER AT CENTERLINE
INTERSECTION OF JUNIPER AVENUE AND
JUNIPER AVENUE DOWN 0.40' PER KESSLER
PARK SHACK SAN GABRIEL PRECISE
GRADING PLANS BY DAVID BECKWITH AND
ASSOC.

BASIS OF BEARINGS:
THE BEARING SHOWN HEREON ARE BASED UPON THE
BEARING OF 300°55'10" ALONG THE CENTER LINE OF
JUNIPER AVENUE BETWEEN MAPLE AVENUE AND JUNIPER
AVENUE PER RECORD OF SURVEY P.L.S. 142/81-84,
NA83, ZONE 5.



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PREPARED UNDER THE SUPERVISION OF:
David P. Somas
PROFESSIONAL ENGINEER R.C.E. No. 06005 DATE 04/28/2024

REVISIONS			
MARK	DATE	INITIAL	DESCRIPTION

PLANS APPROVED BY: SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS			
ASSTANT DIRECTOR	DATE	DATE	DATE
PROJECT MANAGER	DATE	DATE	DATE
OPS. DIVISION MANAGER	DATE	DATE	DATE
PM. DIVISION MANAGER	DATE	DATE	DATE

KESSLER PARK DREAM FIELD
TR/PM/APN. NO. 0256-141-25
DETAILS

DWG NO.
PF-7.3
FILE NO.
SDD-XXX
SHEET 17 OF 26