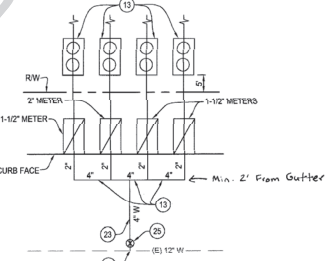
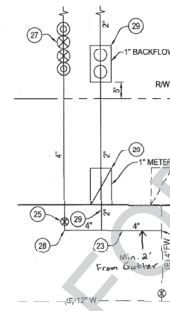


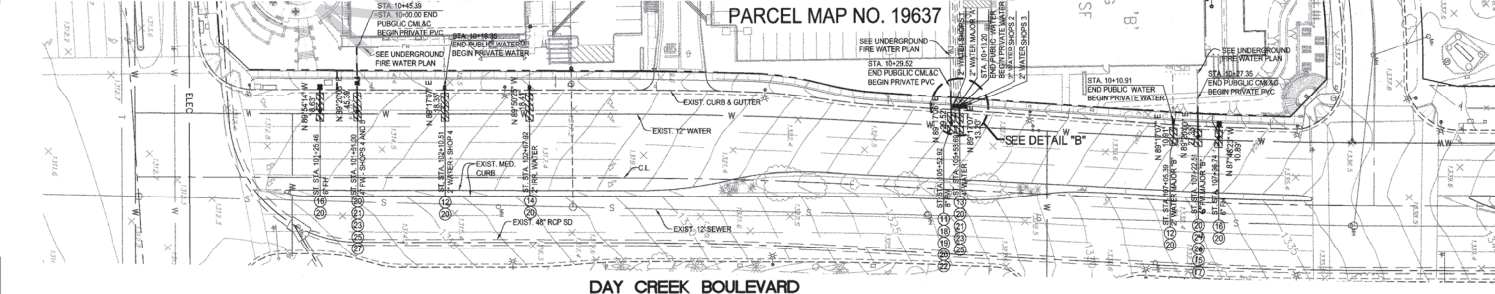
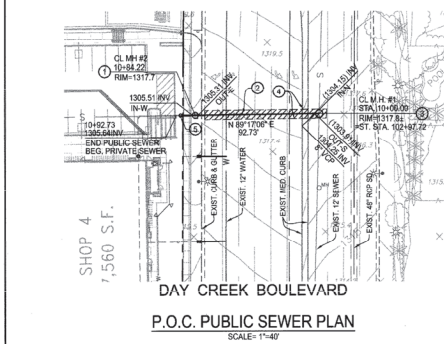
WATER CONSTRUCTION NOTES:

11. INSTALL 8" CML&C STEEL WATER LINE (WELD BEL/FITTINGS SOLID).
12. INSTALL 2" WATER SERVICE W/ 1-1/2" METER AND BACKFLOW PER C.V.W.D. STD. DWG. NO. 103 AND 111.
13. INSTALL 2" METER CLUSTER W/ 4" MANIFOLD STD. DWG. NO. 103, 104 AND 111. INSTALL THREE 1-1/2" METERS AND ONE 2" METER PER DETAIL "B" ON SHEET 2. (BACKFLOW TO BE SAME SIZE AS METER).
14. INSTALL 2" IRRIGATION SERVICE W/ 1-1/2" METER AND BACKFLOW PER CWD STD. DWG. NO. 103 AND 111.
15. INSTALL 8" GATE VALVE (FLANGED) (SOLID WELD ALL JOINTS AND FITTINGS) PER CWD STD. DWG. NO. 115.
16. INSTALL 6" FIRE HYDRANT ASSEMBLY PER C.V.W.D. STD. DWG. NO. 113.
17. 6" HOT TAP TO EXISTING 12" WATER MAIN PER CWD STD. DWG. NO. 123.
18. 8" HOT TAP TO EXISTING 12" WATER MAIN PER CWD STD. DWG. NO. 123.
19. INSTALL 8" GATE VALVE (FLANGED) (SOLID WELD ALL JOINTS AND FITTINGS) PER CWD STD. DWG. NO. 115.
20. SAWCUT, REMOVE, AND REPLACE EXISTING A.C. PAVEMENT (WHERE APPLICABLE) CONSTRUCT TRENCH RESTORATION PER CITY OF RANCHO CUCAMONGA STD. DWG. NO. 120.
21. 4" HOT TAP TO EXISTING 12" WATER MAIN PER CWD STD. DWG. NO. 123.
22. INSTALL 8" ABOVE GROUND DCCA PER CWD STD. DWG. 110.
23. INSTALL 4" CML&C STEEL WATER LINE (WELD BEL/FITTINGS SOLID).
24. INSTALL 6" CML&C STEEL WATER LINE (WELD BEL/FITTINGS SOLID).
25. INSTALL 4" GATE VALVE (FLANGED) (SOLID WELD ALL JOINTS AND FITTINGS) PER CWD STD. DWG. NO. 115.
26. INSTALL 8" ABOVE GROUND DCCA PER CWD STD. DWG. 110.
27. W/FR F&C PER F&C P.P.D. STD. DWG. 34-6.
28. INSTALL 4" ABOVE GROUND DCCA PER CWD STD. DWG. 110.
29. W/FR F&C PER F&C P.P.D. STD. DWG. 34-6.
30. INSTALL CML&C SOLID WELD FLANGED 90° ELBOW.
31. INSTALL 2" WATER SERVICE W/ 1" METER AND 1" BACKFLOW PER CWD STD. DWG. NO. 103 AND 111.
32. REMOVE EXISTING 4" CML&C STEEL WATERLINE AND REPLACE WITH 8" CML&C STEEL WATERLINE (WELD BEL/FITTINGS SOLID).



SEWER CONSTRUCTION NOTES:

1. CONSTRUCT SEWER MANHOLE PER CWD STD. DWG. NO. 204A & B (48")
2. INSTALL 8" EXTRA STRENGTH VCP SEWER MAIN.
3. CONSTRUCT SEWER MANHOLE PER CWD STD. DWG. NO. 204A & B (60")
4. SAWCUT, REMOVE AND REPLACE EXIST AC PAVEMENT. CONSTRUCT TRENCH REPAIR PER CITY STD DWG. NO. 120.
5. INSTALL SEWER BACKWATER VALVE PER CWD STD. DWG. NO. 213. (LOCATION PER CWD INSPECTORS DISCRETION).



DIGALERT

CALL BEFORE YOU DIG

NO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

BENCH MARK: NO. 148-B
STANDARD BRASS DISC IN THE NORTHWEST CORNER OF 4' x 8' CONCRETE FOUNDATION CURB AT THE INTERSECTION OF HIGHLAND AVENUE AND ETWINGA AVENUE, 66' NORTH OF THE CENTERLINE OF HIGHLAND DRIVE AND 24' EAST OF THE CENTERLINE OF ETWINGA.

REMOVE EXISTING 4" WATERLINE AND DCCA AND REPLACE WITH 8" WATERLINE AND DCCA

REV.	DESCRIPTION	DATE	APP'D	ELEVATION 1432.82

PLANS PREPARED UNDER SUPERVISION OF

[Signature]

JEFFREY WAIN, R.C.E.

DATE: 1-17-16 R.C.E. 42886, Exp. 3-31-18

FIRE MARSHAL CERTIFICATE

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

FIRE PROTECTION SYSTEM APPROVED 9/8/16

[Signature]

INSPECTOR, RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

DATE APPROVED: 1/20/16

[Signature]

PLANNING & DEVELOPMENT MANAGER

FIRE MARSHAL CERTIFICATE

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

FIRE PROTECTION SYSTEM APPROVED

[Signature]

INSPECTOR, RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

DESIGNED BY: SCJ

DRAWN BY: DM / SCJ

CHECKED BY: CWD / TM

SCALE: WORK ORDER NO. DP 780 W 27051 S-357962

AS SHOWN

2111

CUCAMONGA VALLEY WATER DISTRICT

PARCEL MAP NO. 19637

PUBLIC WATER DISTRIBUTION SYSTEM

PUBLIC SEWER COLLECTION SYSTEM

DRAWING No. AB 11693

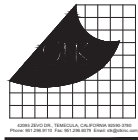
SHT 2 OF 2

JUN. 28-2840; PUBLIC SEWER & WATER PLAN OC9.02 ISSUE FOR CONSTRUCTION 2-8-17

PRIVATE FIRE UNDERGROUND PLAN

SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT

APN 1089-03-13 & 39



CONSULTANT:

ERSC
Engineering Resources of Southern California

1861 W. Redlands Blvd., Bldg 7B
Redlands, Ca. 92373
P: (909) 890-1255
F: (909) 890-0999

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT AND FACILITIES
MANAGEMENT DEPARTMENT -
PROJECT MANAGEMENT
DIVISION

385 N. ARROWHEAD AVE.
SAN BERNARDINO, CA 92405

PROJECT NAME:
SAN BERNARDINO COUNTY
RANCHO CUCAMONGA
NEW YARD
CONSTRUCTION

VICINITY MAP
NOT TO SCALE

RANCHO CUCAMONGA
FIRE PROTECTION DISTRICT
FIRE CONSTRUCTION SERVICES

These plans have been reviewed for compliance with all applicable ordinances, codes, and standards of the Rancho Cucamonga Fire Protection District.

APPROVED

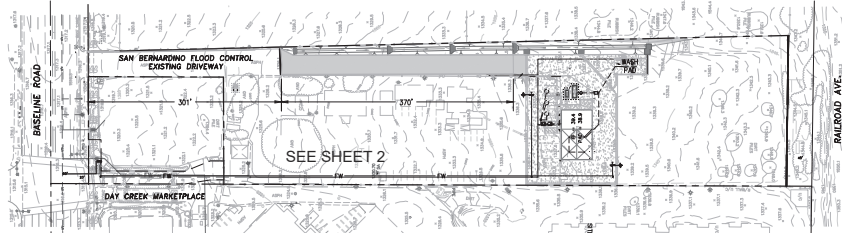
This review and approval does not relieve the designer, architect, engineer, designer, contractor, or installer of the responsibility to comply with all of the applicable Federal, State, County, City, and Fire District laws, ordinances, codes, regulations, and/or standards.

Subject to final approval by field inspections and tests.

Rob Ball May 31, 2023
Signature Date

PRIVATE FIRE UNDERGROUND NOTES

- THE DESIGNER ASSUMES RESPONSIBILITY FOR THE PIPING BEING IN ACCORDANCE WITH ALL APPLICABLE FIRE DISTRICT STANDARDS AND THE APPLICABLE ASTM, AIA, UL, FM, AND NFPA LISTINGS AND REQUIREMENTS. PIPING AND COMPONENTS ARE REQUIRED TO BE SUITABLE FOR THE WORKING PRESSURE OF THE WATER SUPPLY SYSTEM, INCLUDING CONSIDERATION OF A PROPOSED FIRE PUMP.
- THE PRIVATE WATER SUPPLY PIPING HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 AND THE APPLICABLE FIRE DISTRICT STANDARDS.
- A CONSTRUCTION PERMIT IS REQUIRED TO BE ISSUED BY THE FIRE DISTRICT PRIOR TO THE EXCAVATION OF THE SITE AND PRIOR TO THE INSTALLATION OF ANY PRIVATE UNDERGROUND FIRE PROTECTION WATER SUPPLY PIPING. THE APPROVED PLANS AND THE JOB CARD ARE REQUIRED TO BE AVAILABLE AT THE JOB SITE DURING CONSTRUCTION AND AT THE TIME OF INSPECTION. ADDITIONAL CONSTRUCTION PERMITS ARE REQUIRED TO BE ISSUED BY THE CITY OF RANCHO CUCAMONGA BUILDING AND SAFETY DEPARTMENT FOR MASTER WATER SUPPLY SYSTEMS.
- ALL CONTROL VALVES ON THE FIRE PROTECTION WATER SUPPLY SYSTEM THAT ARE LOCATED ABOVE GROUND ARE REQUIRED TO BE SURVEYED, INCLUDING THE VALVES ON THE GROUND.
- UNLINED STEEL PIPE IS NOT ALLOWED TO BE USED FOR THE PRIVATE WATER SUPPLY SYSTEM UNLESS SPECIFICALLY LISTED FOR SUCH USE AND APPROVED BY THE FIRE CODE OFFICIAL.
- CONCRETE-LINED STEEL PIPE APPROVED FOR INSTALLATION IS REQUIRED TO BE PROTECTED WITH 8-MIL POLYETHYLENE TUBE WITH THE ENDS OF THE TUBES AND SPICES SEALED WITH 2-INCH TAPE APPROVED FOR UNDERGROUND USE.
- PIPE FOR THE PRIVATE WATER SUPPLY SYSTEM IS REQUIRED TO BE INSTALLED ON A 12-INCH BED OF CLEAN FILL SAND AND/OR DIRT. THE FIRST 12 INCHES OF COVER ABOVE THE TOP OF THE PIPE IS ALSO REQUIRED TO BE CLEAN FILL SAND AND/OR DIRT. IF THE PIPING MANUFACTURER'S RECOMMENDATIONS AND/OR REQUIREMENTS ARE MORE RESTRICTIVE THAN THESE REQUIREMENTS, THE MANUFACTURER'S RECOMMENDATIONS AND/OR REQUIREMENTS WILL BE FOLLOWED.
- DEPTH OF COVER/PIPE IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE FINISHED GRADE AND IS REQUIRED TO BE IN ACCORDANCE WITH THE FOLLOWING:
 - I. MINIMUM OF 30 INCHES.
 - II. 36 INCHES UNDER DRIVEWAYS AND ROADS.
 - III. 48 INCHES UNDER PAVEMENT TRACKS, INCLUDING PRIVATE RAIL SPURS AND LIGHT RAIL TRACKS.
 - IV. 48 INCHES UNDER LARGE PALES OF HEAVY COMMODITIES AND AREAS SUBJECT TO HEAVY SHOCK AND VIBRATIONS.
 - V. AS REQUIRED BY THE MANUFACTURER'S LISTING WHEN SPECIFICATIONS REQUIRE GREATER DEPTH OF COVER THAN THIS STANDARD OR NFPA 24.
- THRUST BLOCKS OR OTHER APPROVED RESTRAINT SYSTEMS ARE REQUIRED IN ACCORDANCE WITH FIRE DISTRICT STANDARDS AND NFPA 24 FOR ALL CHANGES OF DIRECTION, A FREE-HOUR INSPECTION OF THRUST BLOCK FORMS OR EXCAVATION IS REQUIRED.
- ALL BOLTED JOINT ACCESSORIES ARE REQUIRED TO BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RESISTANT MATERIAL AFTER INSTALLATION.
- ALL PIPING IS REQUIRED TO BE INSTALLED WITH ITS LISTING MARKINGS FACING UP.
- CONDUCTIVE TRACER WIRE IS REQUIRED TO BE INSTALLED WITH ALL PLASTIC WARES.
- PRIOR TO CALLING FOR A HYDROSTATIC TEST, ALL PIPE JOINTS ARE REQUIRED TO BE EXPOSED FOR INSPECTION, PIPE IS REQUIRED TO BE CENTER LOADED, AND THRUST BLOCKS ARE REQUIRED TO BE CURED.
- ALL PIPING IS REQUIRED TO BE HYDROSTATICALLY TESTED TO A PRESSURE OF 200 PSI OR 50 PSI ABOVE THE SYSTEM WORKING PRESSURE, WHOEVER IS GREATER, AND IS REQUIRED TO MAINTAIN THAT PRESSURE FOR 2 HOURS. THE 2-HOUR PERIOD OF TIME STARTS WHEN THE INSPECTOR ARRIVES TO VERIFY THE PRESSURE.
- ALL UNDERGROUND PIPING AND FITTINGS MUST BE THOROUGHLY FLUSHED BEFORE ANY CONNECTIONS ARE MADE TO THE OVERHEAD PIPING. THE FLUSH IS REQUIRED TO BE WITNESSED BY A FIRE INSPECTOR, WATER DISCARDED DURING THE FLUSH IS REQUIRED TO BE CONTAINED ON SITE.
- PIPE INSTALLED UNDER BUILDINGS IS REQUIRED TO BE DUCTILE IRON PIPE.
- PIPING SUPPLYING FIRE PROTECTION SYSTEMS WITHIN A BUILDING IS ALLOWED TO EXTEND A MAXIMUM OF 10 FEET UNDER THE BUILDING TO THE EXISTING LOCATION AS MEASURED FROM THE EXTERIOR OF THE BUILDING.
- PIPING INSTALLED UNDER A BUILDING IS REQUIRED TO TERMINATE 6 INCHES ABOVE THE FINISHED FLOOR AND WITHIN 24 INCHES OF WALLS AS MEASURED FROM THE INTERIOR OF THE BUILDING.
- A MINIMUM OF 2 INCHES CLEARANCE (ANNUAL SPACE) IS REQUIRED TO BE PROVIDED WHERE THE PIPE PASSES THROUGH THE FLOOR OR WALL.
- PIPING IS REQUIRED TO BE SLEEVED THROUGH THE BUILDING FOUNDATION WITH AN APPROVED MATERIAL OR INSTALLED A MINIMUM OF 12 INCHES BELOW THE BOTTOM OF BUILDING FOUNDATIONS OR FOOTINGS.
- PIPE JOINTS ARE PROHIBITED FROM BEING LOCATED UNDER THE FOUNDATIONS, FOOTINGS, AND FINISHED FLOOR OF A BUILDING.
- THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING INSPECTION APPOINTMENTS AT LEAST 48 HOURS IN ADVANCE. APPOINTMENTS ARE SCHEDULED DIRECTLY WITH THE FIRE INSPECTOR AND NOT THROUGH THE ONLINE SYSTEM.
- PARTIAL INSPECTIONS ARE ALLOWED FOR HYDROSTATIC TESTING. PARTIAL FLUSHING IS GENERALLY NOT ALLOWED. PARTIAL INSPECTIONS FOR LESS THAN 50% OF THE TOTAL SYSTEM MAY INCUR ADDITIONAL INSPECTION FEES.
- THE CONTRACTOR IS RESPONSIBLE TO PAINT THE COMPONENTS OF THE FIRE PROTECTION WATER SUPPLY SYSTEM AND PROVIDE STORAGE IN ACCORDANCE WITH THE STANDARDS OF THE FIRE DISTRICT PRIOR TO REQUESTING A FINAL INSPECTION. DO NOT PAINT BRASS AND/OR MOVING PARTS.



INDEX MAP
SCALE: 1" = 80'

TOPOGRAPHY

JD COLE & ASSOCIATES, INC.
LAND SURVEYING
11566 RAMONA ST.
YUCAIPA, CA 92399
PHONE: (909) 797-2074

OWNER/DEVELOPER

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
826 E 3RD STREET
SAN BERNARDINO, CA 92415
CONTACT ERWIN FOLGOSON
PHONE: (909) 387-7963

SITE DATA

GRID#9 AREA: 250,257 S.F. (5.7 ACRES)
AREA OF DISTURBANCE: 445,570 S.F. (1.05 ACRES)

ARCHITECT

STR ARCHITECTS, INC.
42095 ZEVO DR., A-15
TEHACHEA, CA 92950
CONTACT: J. SÁENZ NAIVONG
PHONE: (951) 295-9110

CIVIL ENGINEER

ENGINEERING RESOURCES OF
SOUTHERN CALIFORNIA, INC.
1861 W. REDLANDS BLVD.
REDLANDS, CA 92373
CONTACT MATT BRULIN
PHONE: (909) 890-1585

SOILS ENGINEER

ISEDON WEST, INC.
2015 W. PARK AVE., SUITE 1
REDLANDS, CA 92373
CONTACT: JOHN STAPLETON
PHONE: (909) 894-2175
REFERENCE REPORT:
No. A9818-29-01
PREPARED MARCH 8, 2019

GAS

SEMIRA ENERGY
13625 12TH STREET
CHINO, CA 91719
PHONE: (909) 613-1531

WATER/SEWER

CUCAMONGA VALLEY WATER
DISTRICT
19469 ASHFORD ST.
RANCHO CUCAMONGA, CA 91730
CONTACT: ED HILLS
PHONE: (909) 987-2591

FIBER OPTICS

SPRINT TRANSMISSION DEPARTMENT
262 SYCAMORE AVENUE
RAVENS, CA 92270
CONTACT MATT BRULIN
PHONE: (909) 873-8022

TELEPHONE

AT&T
870 MOUNTAIN AVENUE
LIFLAND, CA 91766
PHONE: (909) 608-1204

ELECTRIC

SO. CALIFORNIA EDISON
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770
PHONE: (800) 655-4555

BASIS OF BEARINGS

WEST LINE - SECTION 32
N 64 E 129 E

BENCH MARK

BENCHMARK NUMBER: 10054
ELEV.: 1528.075

LEGAL DESCRIPTION

APN: 1089-031-13 & 39

PRIVATE FIRE NOTES

- ① REMOVE EXISTING 4" DIA. FIRE SERVICE AND REPLACE WITH 6" DIA. PVC OR APPROVED EQUAL FIRE SERVICE LINE. 3" MIN. DEPTH.
- ② REMOVE EXISTING 4" DCOA AND REPLACE WITH 6" DCOA. REPAIR EXISTING CONCRETE PEDESTAL AS REQUIRED, PER REVISED OFF-SITE CWD PLAN.
- ③ 6" DIA. PVC OR APPROVED EQUAL FIRE SERVICE LINE. 3" MIN. DEPTH.
- ④ 6" DIA. FIRE HYDRANT PROTECTED WITH BOLLARDS PER R.C.F.P.D. STD. DWG. S-100.
- ⑤ INSTALL 8x6-INCH TEE
- ⑥ INSTALL 8-INCH TEE
- ⑦ INSTALL 8-INCH 90° ELBOW
- ⑧ CONSTRUCT CONCRETE THRUST BLOCK ASSEMBLY PER R.C.F.P.D. STD. DWG. S-10X
- ⑨ INSTALL 8" CM/LAC. STEEL WATERLINE (WELD BELL/FITTINGS SOLD), PER CWD STD. DWG. NO 123, PER REVISED OFF-SITE CWD PLAN.
- ⑩ 2" DIA. PVC OR APPROVED EQUAL WATERLINE PER ON-SITE UTILITY PLAN
- ⑪ 4" DIA. PVC - SDR 35 PIPE PER SEPARATE PLAN

PROJECT # 10.10.1333

CP # 23-042
CAF# # E1005

APN: 1089031300000,
1089031300000

12158 BASE LINE ROAD
RANCHO CUCAMONGA,
CA 91739

ISSUE INFORMATION:

DATE: INFORMATION:

SHEET INFORMATION:

STK PROJECT NO: 374-134-2C
SCALE: AS NOTED
DATE: NOVEMBER 2022
PLOT DATE: -
DRAWING NAME:

SEAL:



SHEET TITLE:

PRIVATE FIRE
UNDERGROUND
TITLE SHEET

SHEET NO.:

REVIEWED FOR CODE COMPLIANCE

BUREAU VERITAS NORTH AMERICA, INC.
DATE: 06/24/2022

SHEET 1 OF 2

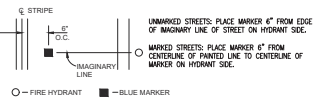
BLUE DOT INFORMATION

THE REFLECTIVE SIDE SHALL FACE THE FLOW OF TRAFFIC.

THE "BLUE DOT" SHALL BE IN LINE WITH THE FIRE HYDRANT, EXCEPT WHERE TWO (2) DOTTS ARE USED FOR INTERSECTIONS.

ALL HYDRANTS ARE REQUIRED TO BE IDENTIFIED WITH A BLUE REFLECTIVE STREET MARKER. THE MARKER INSTALLATION IS REQUIRED TO BE IN ACCORDANCE WITH THE CITY OF RANCHO CUCAMONGA PUBLIC WORKS DEPARTMENT STANDARD DRAWING PW-134 AND DETAIL HEREIN.

THE "BLUE DOT" SHALL BE APPLIED TO A DIRT, DIRT FREE STREET AND ENOUGH ADHESIVE SHALL BE APPLIED SO THAT SOME ADHESIVE GOES OUT AROUND THE EDGES OF THE "BLUE DOT".



PRIVATE ENGINEER'S NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE THE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITIES PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY OF SAN BERNARDINO, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

INDEX OF SHEETS

SHEET 1 TITLE SHEET
SHEET 2 PRIVATE FIRE UNDERGROUND

LEGEND

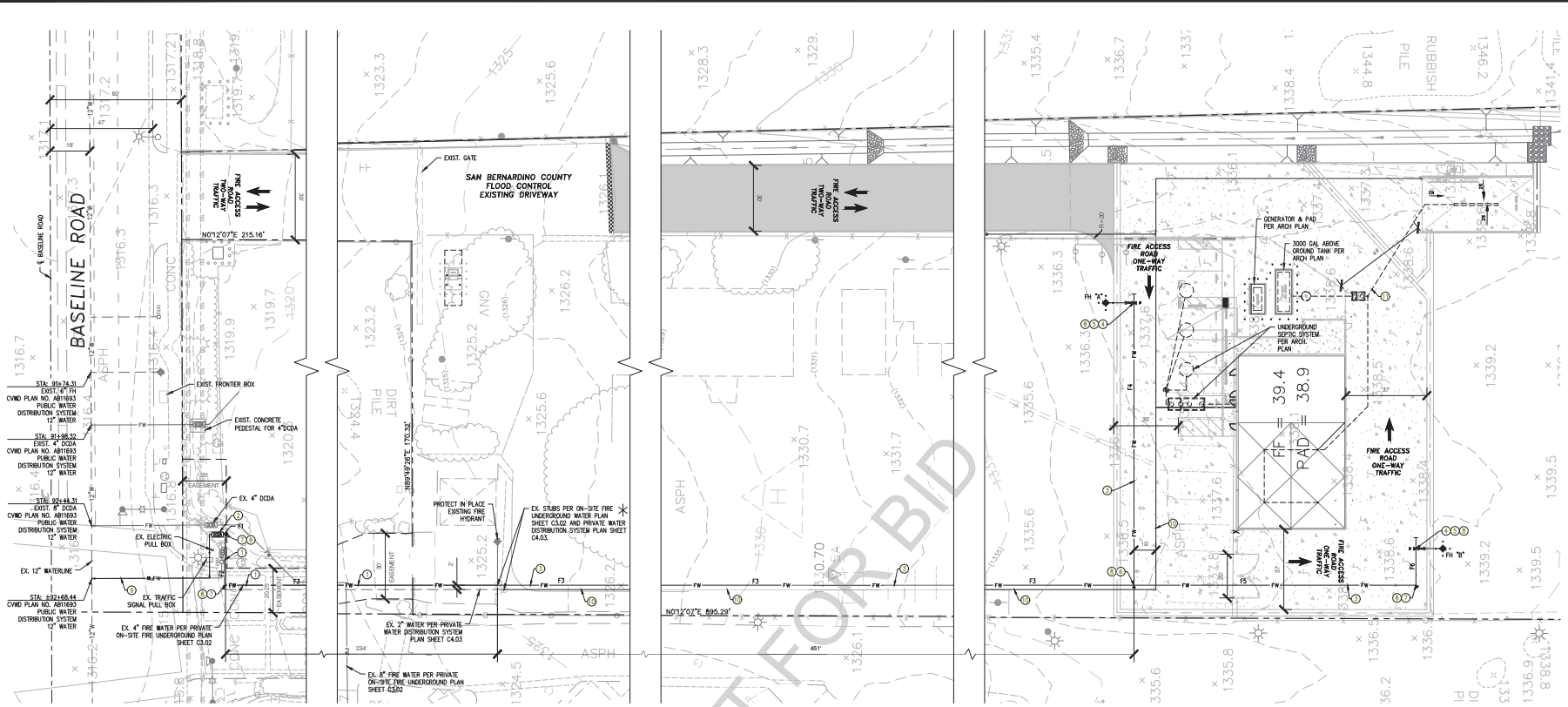
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◇	FIRE HYDRANT	---	EASEMENT
◫	GATE VALVE	---	CENTERLINE
▢	THRUST BLOCK	---	EXIST. IMPROVEMENTS
▢	BLUE RETRO-REFLECTIVE	---	PROP. IMPROVEMENTS
◫	EX. WATER METER	-12"---	EXIST. WATERLINE
◫	EX. BACKFLOW PREVENTER	-F-	EXIST. FIRE LINE
		-F-	PROP. FIRE LINE

REVIEWED FOR CODE COMPLIANCE

BUREAU VERITAS NORTH AMERICA, INC.
DATE: 06/24/2022

SHEET 1 OF 2

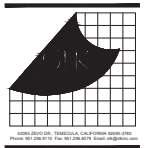
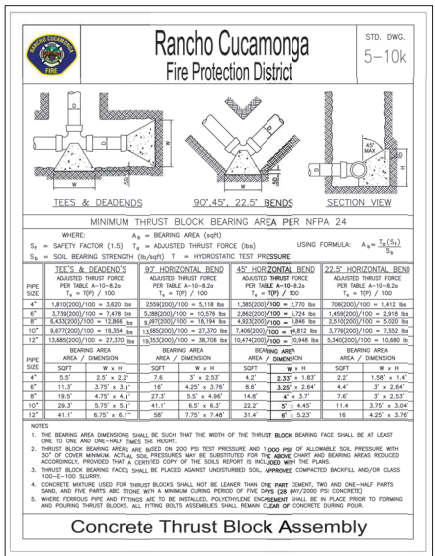
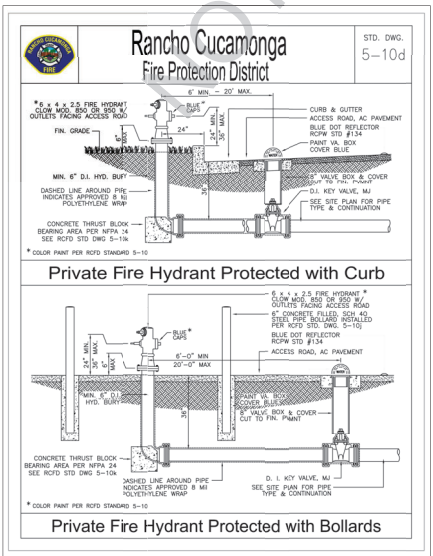




- PRIVATE FIRE NOTES**
- REMOVE EXISTING 4" DIA FIRE SERVICE AND REPLACE WITH 8" DIA. PVC OR APPROVED EQUAL FIRE SERVICE LINE. 3" MIN DEPTH
 - REMOVE EXISTING 4" DCCA AND REPLACE WITH 8" DCCA. REPAIR EXISTING CONCRETE PEDESTAL AS REQUIRED, PER REVISED OFF-SITE CWD PLAN
 - 8" DIA. PVC OR APPROVED EQUAL FIRE SERVICE LINE. 3" MIN DEPTH
 - 6" DIA. FIRE HYDRANT PROTECTED WITH BOLLARDS PER R.C.F.P.D. STD. DWG. 5-100
 - INSTALL 8x8-INCH TEE
 - INSTALL 8-INCH TEE
 - INSTALL 8-INCH 90° ELBOW
 - CONSTRUCT CONCRETE TRUST BLOCK ASSEMBLY PER R.C.F.P.D. STD. DWG. 5-10k.
 - INSTALL 8" CMILAC STEEL WATERLINE (WELD BELL/FITTINGS ONLY), PER CWD STD. DWG. NO 123, PER REVISED OFF-SITE CWD PLAN
 - 4" DIA. PVC - SDR 35 SEWER PIPE PER SEPARATE PLAN

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
 These plans have been reviewed for compliance with all applicable ordinances, codes, and standards of the Rancho Cucamonga Fire Protection District.
APPROVED
 This review and approval does not relieve the developer, architect, engineer, designer, contractor, or installer of the responsibility to comply with all of the applicable Federal, State, County, City, and Fire District laws, ordinances, codes, regulations, and/or standards.
 Subject to final approval by field inspections and tests.
 Rob Ball May 31, 2023
 Signature Date

*NOTE: CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND ELEVATION OF THE UTILITIES WITHIN CONSTRUCTION AREA. ANY UTILITIES NOT SHOWN OR THAT HAS DISCREPANCY TO THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER PRIOR TO START OF CONSTRUCTION



CONSULTANT:
ERSG
 Engineering Resources of Southern California
 1861 W. Redondo Blvd, Bldg 7B
 Redondo, CA 90271
 P: (909) 890-1255
 F: (909) 890-0995

PROJECT ADMINISTERED BY:
 SAN BERNARDINO COUNTY
 PROJECT AND FACILITIES
 MANAGEMENT DEPARTMENT
 PROJECT MANAGEMENT
 DIVISION

385 N. ARROWHEAD AVE.
 SAN BERNARDINO, CA 92405

PROJECT NAME:
 SAN BERNARDINO COUNTY
 RANCHO CUCAMONGA
 NEW YARD
 CONSTRUCTION

PROJECT # 10.10.1333
 OP # 23-042
 CAFM # E1005

APN: 1089031300000,
 1089031300000

12158 BASE LINE ROAD
 RANCHO CUCAMONGA,
 CA 91739

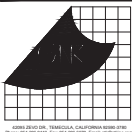
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 DATE: INFORMATION:

SHEET INFORMATION:
 STK PROJECT NO: 374-134-2C
 SCALE: AS NOTED
 DATE: NOVEMBER 2022
 PLOT DATE:
 DRAWING NAME:



SEAL:
 PROJECT TITLE:
 PRIVATE FIRE UNDERGROUND PLAN

SHEET NO.:
 SHEET 2 OF 2



INLAND FOUNDATION ENGINEERING, INC.
 1310 SOUTH SANTA FE AVENUE
 SAN JACINTO, CALIFORNIA 92581

CONSULTANT:

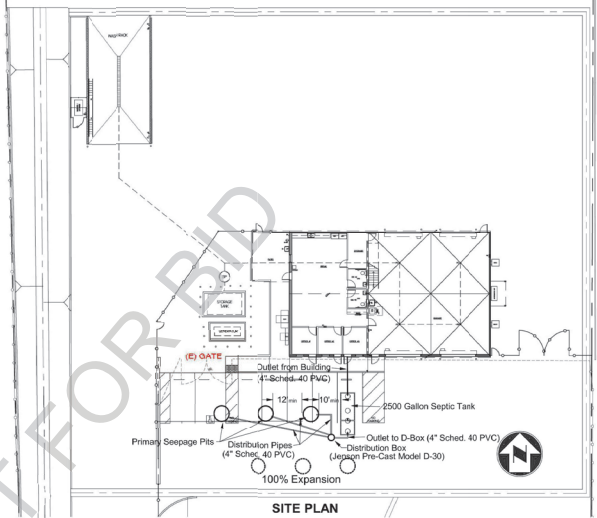
ONSITE WASTEWATER TREATMENT SYSTEM DESIGN
 San Bernardino County Public Works
 Rancho Yard - New Building

PREPARED FOR: STK ARCHITECTS
 42095 Zevu Drive, Suite A15
 Temecula, California 92590
 (951) 296-9110

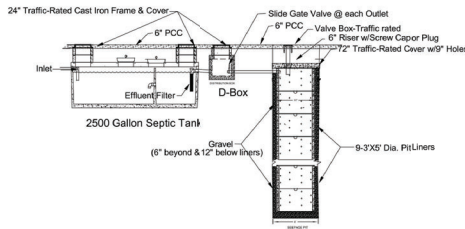
PROPERTY DESCRIPTION: 12158 Baseline Road
 Rancho Cucamonga, California



VICINITY MAP



SITE PLAN



SEPTIC TANK, DISTRIBUTION BOX, SEEPAGE PIT - TYPICAL PROFILE

FIXTURE UNITS SEPTIC TANK CAPACITY (per Table H 201.1(1))
 Fixture Units (See Report): 28
 Minimum Septic Tank Capacity per Table H 201.1(1) = 1500 gallons
 FLOW RATE DETERMINATION (Table H 201.1(2))
 No. of Employees: 16
 Gals./Employee: 25
 Daily Flow = 25 gals/person X 16 people = 400 gals/day
 Minimum Septic Tank Capacity per Table H 201.1(2) = 400 gals. X 1.5 = 600 gallons
 DESIGN SEPTIC TANK CAPACITY: 2500 Gallons
 PERCOLATION RATE: 1.7 Gallons/Square Foot/Day
 NUMBER OF SEEPAGE PITS: 3
 SEEPAGE PIT DIAMETER: 6 Feet
 SEEPAGE PIT DEPTH: 27 Feet Below Inlet

INLAND FOUNDATION ENGINEERING, INC.
 1310 South Santa Fe Avenue
 San Jacinto, California
 (951) 654-1555 FAX (951) 654-0551

Drawn By: L. Strahm Project No. S168-182
 Scale: As Shown Date: February 2021 (Rev. 4/21)

NOTE: PLEASE REFER TO THE SEEPAGE PERC REPORT DATED FEBRUARY 24, 2021 FOR A COMPLETE SEPTIC SYSTEM DESIGN REQUIREMENTS

REVIEWED FOR CODE COMPLIANCE
 These plans and documents have been reviewed and found to be in compliance with the applicable code requirements of the jurisdiction. Inquiries should be sent to the appropriate jurisdiction. Plans shall not be used in part or in full in any jurisdiction where applicable codes and requirements differ from those stated on these drawings. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate jurisdiction. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate jurisdiction. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate jurisdiction.
 BUREAU VERITAS NORTH AMERICA, INC.
 SIGNATURE: [Signature]
 DATE: 06/24/2022

PROJECT ADMINISTERED BY:
 SAN BERNARDINO COUNTY
 PROJECT AND FACILITIES
 MANAGEMENT DEPARTMENT -
 PROJECT MANAGEMENT
 DIVISION

385 N. ARROWHEAD AVE.
 SAN BERNARDINO, CA 92445

PROJECT NAME:
 SAN BERNARDINO COUNTY
 RANCHO CUCAMONGA
 NEW YARD
 CONSTRUCTION

PROJECT # 1000333
 CP # 23-042
 CAFM # ET1005

APN: 1089039300000,
 1089039300000

2588 BASE LINE ROAD
 RANCHO CUCAMONGA,
 CA 91739

ISSUE INFORMATION:
 DATE: 04-29-21 INFORMATION: 1st Plan Check

SHEET INFORMATION:
 STK PROJECT NO: 374-134-20
 SCALE: AS NOTED
 DATE: NOVEMBER 2022
 PLOT DATE:
 DRAWING NAME:



SHEET TITLE:

SEPTIC SYSTEM

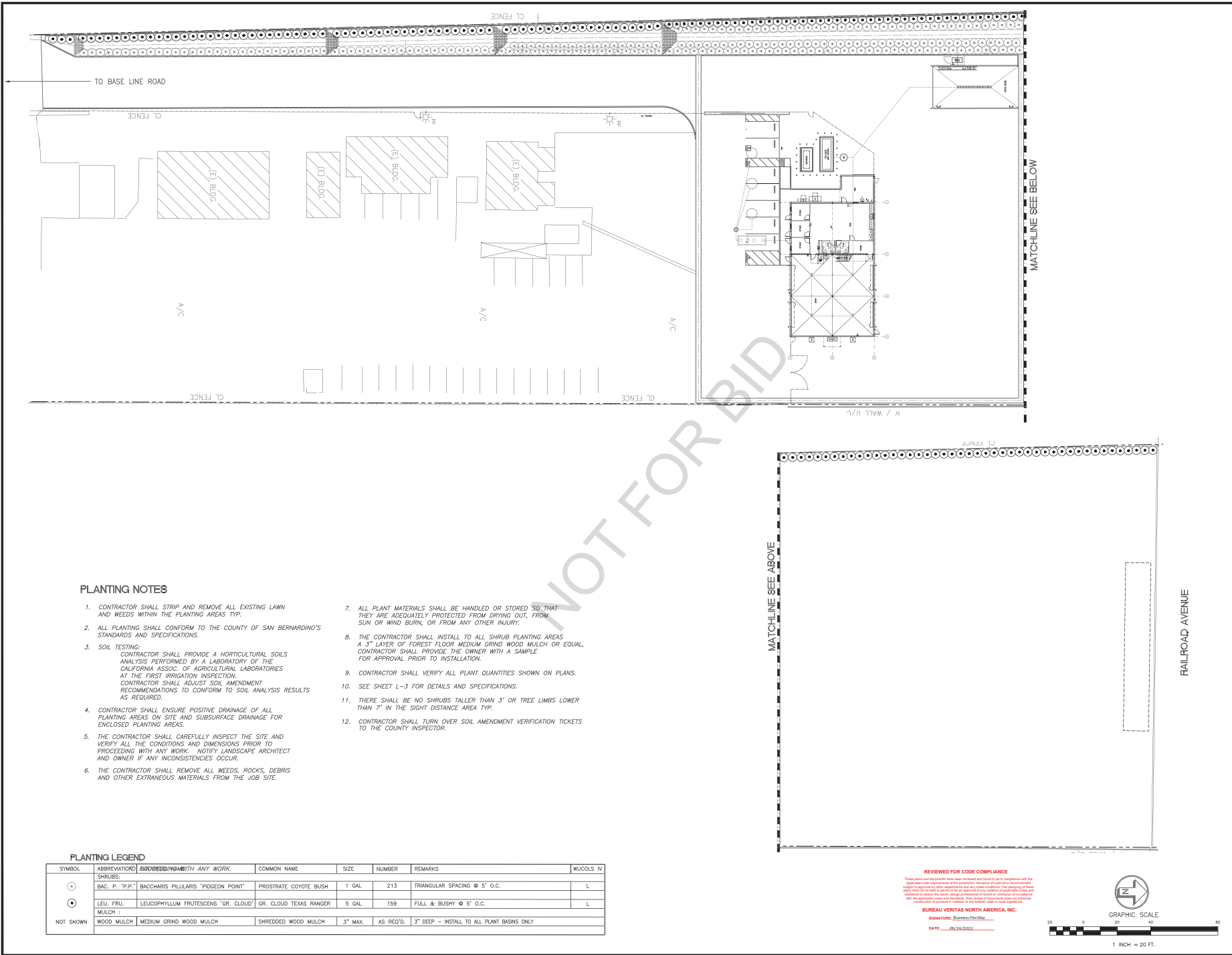
SHEET NO:

D-1

SCALE: 1/4" = 1'-0"

SEPTIC SYSTEM

1/25/2022 10:48 AM



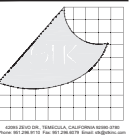
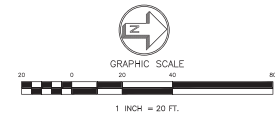
PLANTING NOTES

- CONTRACTOR SHALL STRIP AND REMOVE ALL EXISTING LAWN AND WEEDS WITHIN THE PLANTING AREAS TYP.
- ALL PLANTING SHALL CONFORM TO THE COUNTY OF SAN BERNARDINO'S STANDARDS AND SPECIFICATIONS.
- SOIL TESTING:
CONTRACTOR SHALL PROVIDE A HORTICULTURAL SOILS ANALYSIS PERFORMED BY A LABORATORY OF THE CALIFORNIA ASSOC. OF AGRICULTURAL LABORATORIES AT THE FIRST IRRIGATION INSPECTION.
CONTRACTOR SHALL ADJUST SOIL AMENDMENT RECOMMENDATIONS TO CONFORM TO SOIL ANALYSIS RESULTS AS REQUIRED.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OF ALL PLANTING AREAS ON SITE AND SUBSURFACE DRAINAGE FOR ENCLOSED PLANTING AREAS.
- THE CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL THE CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK. NOTIFY LANDSCAPE ARCHITECT AND OWNER IF ANY INCONSISTENCIES OCCUR.
- THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS, DEBRIS AND OTHER EXTRANEOUS MATERIALS FROM THE JOB SITE.
- ALL PLANT MATERIALS SHALL BE HANDLED OR STORED SO THAT THEY ARE ADEQUATELY PROTECTED FROM DRYING OUT, FROM SUN OR WIND BURN, OR FROM ANY OTHER INJURY.
- THE CONTRACTOR SHALL INSTALL TO ALL SHRUB PLANTING AREAS A 3" LAYER OF FOREST FLOOR MEDIUM GRIND WOOD MULCH OR EQUAL. CONTRACTOR SHALL PROVIDE THE OWNER WITH A SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES SHOWN ON PLANS.
- SEE SHEET L-3 FOR DETAILS AND SPECIFICATIONS.
- THERE SHALL BE NO SHRUBS TALLER THAN 3' OR TREE LIMBS LOWER THAN 7" IN THE SIGHT DISTANCE AREA TYP.
- CONTRACTOR SHALL TURN OVER SOIL AMENDMENT VERIFICATION TICKETS TO THE COUNTY INSPECTOR.

PLANTING LEGEND

SYMBOL	ABBREVIATION/ SKIRLES:	COMMON NAME	SIZE	NUMBER	REMARKS	WUCOLS #
⊙	BAC. P. "P.P." BACCHARIS PILLULARIS 'PIGEON POINT'	PROSTRATE COYOTE BUSH	1 GAL	213	TRIANGULAR SPACING @ 5' O.C.	L
⊙	LEU. FRU. LEUCOPHYLLUM FRUTESCENS 'GR. CLOUD'	GR. CLOUD TEXAS RANGER	5 GAL	159	FULL & BUSHY @ 5' O.C.	L
NOT SHOWN	MULCH :	WOOD MULCH MEDIUM GRIND WOOD MULCH	SHREDDED WOOD MULCH	3" MAX.	AS REQ'D. 3" DEEP - INSTALL TO ALL PLANT BASINS ONLY	

REVIEWED FOR CODE COMPLIANCE
 These plans and specifications have been reviewed and found to be in compliance with the applicable code requirements of the jurisdiction. Issuance of a permit is recommended subject to approval by the jurisdiction and any local conditions. The integrity of these plans shall not be guaranteed as an opinion of the reviewer of applicable code and standards to indicate the owner design or installation of record or contractor of construction with the applicable codes and regulations. The review of documents does not constitute a contract or agreement in itself.
BUREAU VERITAS NORTH AMERICA, INC.
 SIGNATURE: Bureau Veritas
 DATE: 06/24/2022



CONSULTANT:



ALHAMBRA GROUP
 LANDSCAPE ARCHITECTURE
 CALIFORNIA LICENSE #20177
 RECREATION FACILITIES PLANNING
 4168 ENTERPRISE DRIVE, MONTE CREDITO, CA 95110
 TEL: 925.255.8800



PROJECT ADMINISTERED BY:
 SAN BERNARDINO COUNTY
 PROJECT AND FACILITIES
 MANAGEMENT DEPARTMENT -
 PROJECT MANAGEMENT
 DIVISION

385 N. ARROWHEAD AVE.
 SAN BERNARDINO, CA 92405

PROJECT NAME:
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 RANCHO CUCAMONGA
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SEAL:

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PLANTING PLAN

SHEET NO.:

L-1
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