PRECISE GRADING PLAN FOR 400 E. 20TH STREET

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CHAPTER 15.52 OF THE UPLAND MUNICIPAL CODE AND ANY SPECIAL REQUIREMENTS OF THE PERMIT. A COPY OF THE APPROVED GRADING PLAN SHALL BE RETAINED ON THE JOB SITE WHILE WORK IS IN PROGRESS. WHEN REFERENCED ON THE PLANS, A COPY OF CITY OF UPLAND STANDARD PLANS SHALL ALSO BE RETAINED ON THE SITE.
2. GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING THE CITY OF UPLAND PUBLIC WORKS INSPECTOR AT (909) 291-2963. A PRE-GRADING MEETING ON THE SITE IS REQUIRED BEFORE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, ENGINEERING GEOLOGIST, AND CITY INSPECTOR. THE REQUIRED INSPECTIONS FOR GRADING WILL BE EXPLAINED AT THIS MEETING.
3. ISSUANCE OF A GRADING PERMIT DOES NOT ELIMINATE THE NEED FOR PERMITS FROM OTHER AGENCIES WITH REGULATORY RESPONSIBILITIES FOR CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE WORK AUTHORIZED ON THIS PLAN.
4. THE GRADING PERMIT AND AN APPROVED COPY OF THE GRADING PLAN SHALL BE ON THE PERMITTED SITE WHILE WORK IS IN PROGRESS.
5. PRELIMINARY SOIL AND GEOLOGY REPORTS AND ALL SUBSEQUENT REPORTS ARE CONSIDERED A PART OF THE APPROVED GRADING PLAN.
6. THE SOILS ENGINEER AND ENGINEERING GEOLOGIST SHALL PERFORM SUFFICIENT INSPECTIONS AND BE AVAILABLE DURING GRADING AND CONSTRUCTION TO VERIFY COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND THE CODE WITHIN THEIR PURVIEW.
7. THE CIVIL ENGINEER SHALL BE AVAILABLE DURING GRADING TO VERIFY COMPLIANCE WITH THE PLANS, SPECIFICATIONS, CODE AND ANY SPECIAL CONDITIONS OF THE PERMIT WITHIN THEIR PURVIEW.
8. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED IN WRITING BY THE SOIL ENGINEER BEFORE PLACING FILL.
9. FILLS SHALL BE BENCHED INTO COMPETENT MATERIAL AS REQUIRED BY THE SOILS ENGINEER.
10. ALL EXISTING FILLS SHALL BE APPROVED BY THE SOILS ENGINEER OR REMOVED BEFORE PLACING ADDITIONAL FILLS.
11. FILLS SHALL BE COMPACTED THROUGHOUT TO A MINIMUM OF 90% RELATIVE COMPACTION. AGGREGATE BASE FOR ASPHALTIC AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION. MAXIMUM DENSITY SHALL BE IN ACCORDANCE WITH CALIFORNIA BUILDING CODE (LATEST EDITION).
12. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 2-FOOT HORIZONTAL TO 1-FOOT VERTICAL (2:1) EXCEPT WHERE SPECIFICALLY APPROVED OTHERWISE.
13. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY THE ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL SUBMIT RECOMMENDED TREATMENT TO THE CITY INSPECTOR FOR APPROVAL.
14. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SOILS ENGINEER PER THE GRADING CODE.
15. ANY EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED AND/OR CRUSHED IN PLACE AND APPROVED BY THE CITY INSPECTOR AND SOILS ENGINEER.
16. ANY EXISTING WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE SPECIFICATIONS APPROVED BY SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC HEALTH.
17. ANY EXISTING CESSPOOLS AND SEPTIC TANKS SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE TO THE APPROVAL OF THE BUILDING OFFICIAL. A SEPARATE PERMIT MUST BE OBTAINED FROM THE CITY BUILDING DEPARTMENT.
18. THE CITY INSPECTOR, BEFORE EXCAVATION, SHALL APPROVE STOCK PILING OF EXCESS MATERIAL.
19. EXPORT SOIL MUST BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE APPROVED BY THE CITY INSPECTOR.
20. THE PERMITTEE SHALL SUBMIT A HAUL ROUTE PLAN TO THE CITY ENGINEER WHEN EARTH AND/OR DEBRIS IS TRANSPORTED TO OR FROM A PERMITTED SITE ON PUBLIC ROADWAYS.
21. THE PERMITTEE IS RESPONSIBLE FOR DUST CONTROL MEASURES.
22. THE PERMITTEE SHALL GIVE REASONABLE NOTICE TO THE OWNER OF THE ADJOINING LANDS AND BUILDINGS BEFORE BEGINNING EXCAVATIONS, WHICH MAY AFFECT THE LATERAL, AND SUBADJACENT SUPPORT OF THE ADJOINING PROPERTY. THE NOTICE SHALL STATE THE INTENDED DEPTH OF EXCAVATION AND WHEN THE EXCAVATION WILL COMMENCE. THE PERMITTEE OR HIS AGENT SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS/HER GRADING ACTIVITIES.
23. SLOPES EXCEEDING 5 FEET IN HEIGHT SHALL BE PLANTED WITH AN APPROVED PLANT MATERIAL. IN ADDITIONAL, SLOPES EXCEEDING 15 FEET IN HEIGHT SHALL BE PROVIDED WITH AN APPROVED IRRIGATION SYSTEM UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
24. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
25. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
26. ALL WATER VALVES AND SEWER MANHOLES SHALL REMAIN ACCESSIBLE AND FREE OF DEBRIS THROUGHOUT ALL PHASES OF THE PROJECT.
27. INSTALL 3/4" PLYWOOD FALSE BOTTOMS IN ALL SEWER MANHOLES WITHIN THE CONSTRUCTION AREA. (CHECKED DAILY BY INSPECTOR.)
28. PROVIDE TRAP AT FIRST MANHOLE DOWNSTREAM OF PROPOSED IMPROVEMENTS. (CHECKED DAILY BY INSPECTOR.)
29. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING.
30. GRADING OPERATIONS, INCLUDING MAINTENANCE OF EQUIPMENT, SHALL BE CONDUCTED BETWEEN THE HOURS OF 7 A.M. AND 3:30 P.M. MONDAY TROUGH FRIDAY. NO WORK SHALL BE ALLOWED ON WEEKENDS.
   A) ALL CONSTRUCTION VEHICLES OR EQUIPMENT, FIXED OR MOBILE, OPERATED WITHIN 1,000 FEET OF A DWELLING SHALL BE EQUIPPED WITH PROPERLY OPERATION AND MAINTAINED MUFFLERS.
   B) ALL OPERATIONS SHALL COMPLY WITH CITY OF UPLAND NOISE ORDINANCE (CHAPTER 4.5, UNNECESSARY NOISE.)
   C) STOCKPILING AND/OR VEHICLE STAGING AREAS SHALL BE LOCATED AS FAR AS PRACTICABLE FROM DWELLINGS AND WITHIN THE LIMITS OF GRADING PERMIT.
31. GRADING AND EXCAVATION SHALL BE HALTED DURING PERIODS OF HIGH WINDS. ACCORDING TO AQMD MEASURE F-4, HIGH WINDS ARE DEFINED AS 30 MPH OR GREATER. THIS LEVEL OCCURS ONLY UNDER EXTREME CONDITIONS, SUCH AS SANTA ANA WIND CONDITIONS. USE A WATER TRUCK FOR DUST CONTROL.
32. THE CIVIL ENGINEER, AS A CONDITION OF ROUGH GRADE APPROVAL, SHALL PROVIDE A BLUE TOP WITH ACCOMPANYING WITNESS STAKE, SET AT THE CENTER OF EACH PAD REFLECTING THE PAD ELEVATION FOR PRECISE PERMITS AND A BLUE TOP WITH WITNESS STAKE SET AT THE DRAINAGE SWALE HIGH POINT REFLECTING THE HIGH POINT ELEVATION FOR ROUGH GRADING PERMITS.
33. THE ENGINEERING GEOLOGIST SHALL PERFORM PERIODIC INSPECTIONS AND SUBMIT A COMPLETE REPORT AND MAP UPON COMPLETION OF THE ROUGH GRADING.
34. THE GRADING CONTRACTOR SHALL SUBMIT A STATEMENT OF COMPLIANCE TO THE APPROVED GRADING PLAN BEFORE FINAL APPROVAL.
35. IN THE EVENT THAT SOIL CONTAMINATION IS DISCOVERED DURING EXCAVATION OR REMOVAL OF AN EXISTING TANK IS NECESSARY, WORK SHALL BE STOPPED UNTIL A SITE ASSESSMENT AND MITIGATION PLAN HAS BEEN PREPARED, SUBMITTED AND APPROVED BY COUNTY OF SAN BERNARDINO DEPARTMENT OF ENVIRONMENTAL HEALTH.
36. THE DEVELOPER SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CITY PROOF THAT A NOTICE OF INTENT (NOI) FOR THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY HAS BEEN FILED WITH AND APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD. CONSTRUCTION SHALL NOT COMMENCE WITHOUT THIS APPROVAL. THE DEVELOPER SHALL BE RESPONSIBLE TO COMPLY WITH THE GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT BY IMPLEMENTING THEIR STORM WATER POLLUTION PREVENTION PLAN FOR THE DURATION OF THE PROJECT. INDICATE WDID NUMBER ON PLANS.

DIGALERT
DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

LEGAL DESCRIPTION

PORTION LOT 282 ONTARIO COLONY LANDS TOGETHER WITH PORTION OF THE WEST 21.48 FEET OF LOT 281
BEGINNING AT A POINT 33.00 FEET SOUTHERLY OF CENTERLINE OF 20TH STREET SHOWN AS NORTH 89°50'00" WEST AND 21.48 FEET EASTERLY OF EAST LINE OF LOT 282;
THENCE SOUTH 313.86 FEET;
THENCE WEST 685.2 FEET TO A POINT PARALLEL WITH AND 32 FEET EASTERLY OF WESTERLY LINE OF SAID LOT 282;
THENCE NORTH 00°00'44" EAST 22.03 FEET TO BEGINNING OF A NON-TANGENT CURVE CONCAVE NORTHWESTERLY WITH RADIAL BEARING OF NORTH 54°44'11" WEST;
THENCE ALONG SAID CURVE 42.65 FEET WITH RADIUS OF 54 FEET THRU ANGLE OF 45°15'05";
THENCE TO A TANGENT BEARING NORTH 09°59'26" WEST 43.73 FEET TO BEGINNING OF TANGENT CURVE CONCAVE EASTERLYLY;
THENCE ALONG SAID CURVE 17.10 FEET WITH RADIAL OF 98 FEET THROUGH AN ANGLE OF 10°00'00";
THENCE NORTH 00°00'44" EAST PARALLEL WITH AND 32 FEET EASTERLY OF WEST LINE OF SAID LOT 282 171.20 FEET TO BEGINNING OF TANGENT CURVE CONCAVE SOUTHEASTERLY;
THENCE ALONG SAID CURVE 31.36 FEET WITH RADIUS OF 20 FT THRU AN ANGLE OF 89°50'39" TO A POINT ON A LINE PARALLEL AND DISTANT 33 FEET SOUTHERLY FROM CENTERLINE OF SAID 20TH STREET;
THENCE SOUTH 89°59'00" EAST ALONG SAID PARALLEL LINE A DISTANCE OF 665.69 FEET TO POINT OF BEGINNING.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITIES OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION OF THESE LINES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) PHONE 1-800-277-2600 TWO WORKING DAYS PRIOR TO DIGGING. NO CONSTRUCTION PERMIT ISSUED BY THE PUBLIC WORKS DEPARTMENT, SHALL BE VALID INVOLVING UNDERGROUND FACILITIES, UNLESS THE APPLICANT HAS AN INQUIRY IDENTIFICATION NUMBER ISSUED BY USA.

CONTRACTOR'S RESPONSIBILITY FOR SAFETY

IN SUBMITTING A BID FOR THIS WORK THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSED OF CONSTRUCTION OF THIS PROJECT; INCLUDING 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 OWNER, THE ENGINEER AND THE CITY OF UPLAND AND ITS AGENTS OR REPRESENTATIVES 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, THE ENGINEER, AND THE CITY OF UPLAND AND ITS AGENTS OR REPRESENTATIVES.

THE CONTRACTORS AND SUB-CONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND WITH "CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR OR SUB-CONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

SURVEY MONUMENT NOTE

SURVEY MONUMENTS THAT EXIST AS SHOWN ON RECORDED MAPS, HIGHWAY MAPS OR POINTS THAT PROVIDE SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED OUT BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER (AUTHORIZED TO PRACTICE LAND SURVEYING), AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE START OF CONSTRUCTION. THESE CORNER RECORDS SHALL DESCRIBE THE MONUMENTS FOUND WITH TIE DISTANCES TO REFERENCE POINTS FOR RESETTING OF THE SURVEY MONUMENT. WHEN CONSTRUCTION IS COMPLETED, MONUMENTS SHALL BE SET AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR SHOWING THE NEW MONUMENTS.

STATEMENT OF CITY ENGINEER FOR TEMPORARY DRAINAGE AND EROSION CONTROL

BY MY APPROVAL I HEREBY ACCEPT THIS GRADING PLAN AND TEMPORARY EROSION CONTROL PLAN AS MEETING THE PREREQUISITE FOR ISSUANCE OF A GRADING PERMIT AND FOR RECORD PURPOSES.

THIS GRADING PLAN AND THE TEMPORARY EROSION CONTROL PLAN WAS PREPARED UNDER THE DIRECTION OF A FULLY QUALIFIED PROFESSIONAL WHO HAS STATED THAT THE PLAN CONFORMS WITH ALL THE APPLICABLE REQUIREMENTS OF THE CITY. THE DESIGN, ELEVATIONS, DETAILS AND FEATURES OF THE ONSITE GRADING HAVE NOT BEEN REVIEWED BY THE CITY, EXCEPT AS THEY RELATE TO PUBLIC IMPROVEMENTS WITHIN THE ADJACENT RIGHT OF WAYS AND EASEMENTS.

STATEMENT OF CITY ENGINEER

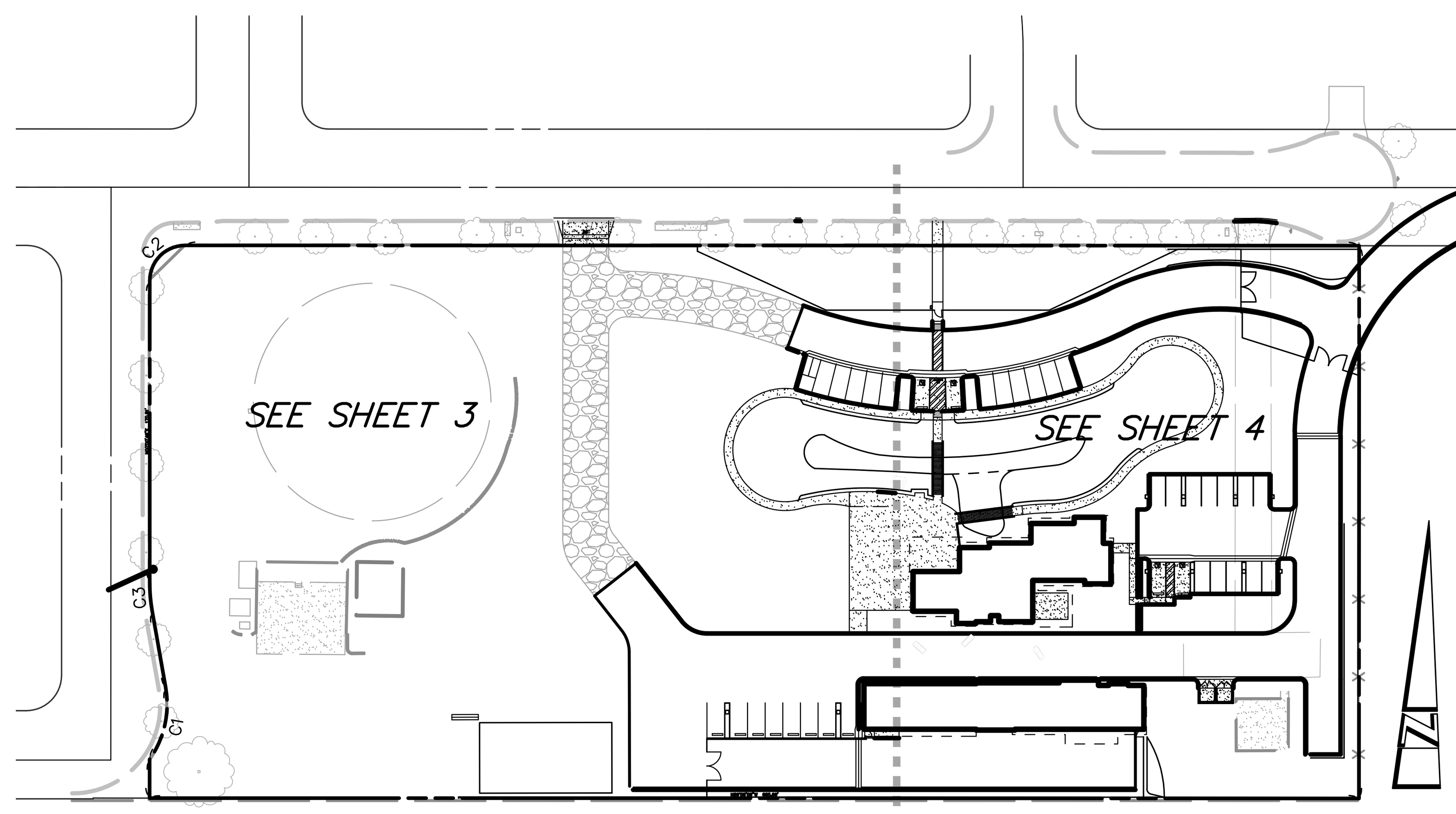
BY MY APPROVAL I HEREBY ACCEPT THIS GRADING PLAN AND TEMPORARY EROSION CONTROL PLAN AS MEETING THE PREREQUISITE FOR ISSUANCE OF A GRADING PERMIT AND FOR RECORD PURPOSES. THIS GRADING PLAN AND THE TEMPORARY EROSION CONTROL PLAN WAS PREPARED UNDER THE DIRECTION OF A FULLY QUALIFIED PROFESSIONAL WHO HAS STATED THAT THE PLAN CONFORMS WITH ALL APPLICABLE REQUIREMENTS OF THE CITY. THE DESIGN, ELEVATIONS, DETAILS AND FEATURES OF THE ONSITE GRADING HAVE NOT BEEN REVIEWED BY THE CITY, EXCEPT AS THEY RELATE TO PUBLIC IMPROVEMENTS WITHIN ADJACENT RIGHT OF WAYS AND EASEMENTS.

CONSTRUCTION NOTES: WATER

CONSTRUCTION NOTES: WATER	QUANTITIES
(43) INSTALL 8" GATE VALVE AND VALVE BOX PER CITY OF UPLAND STANDARDS W-07 & W-09.	1 EA.
(44) CONSTRUCT 8" CLM&C WATER PIPE.	41 L.F.
(45) SAWCUT, REMOVE, AND REPLACE AC/BASE PER CITY OF UPLAND STANDARD CU-Z-3. TRENCH, BACKFILL AND PAVEMENT REPLACEMENT PER CITY OF UPLAND STANDARD W-23.	52 S.F.
(46) CONSTRUCT 12"x8"TAPPING SLEEVE WITH 8" GATE VALVE PER CITY OF UPLAND STANDARD DRAWING W-6.	1 EA.
(47) CONSTRUCT 8" ABOVE GROUND FIRE SERVICE WITH 8" DOUBLE CHECK DETECTOR CHECK VALVE ASSEMBLY WITH 4 WAY FIRE DEPARTMENT CONNECTION PER CITY UPLAND STANDARD W-17.	1 EA.

CONSTRUCTION NOTES: PRIVATE SEWER

CONSTRUCTION NOTES: PRIVATE SEWER	QUANTITIES
(60) CONSTRUCT SEWER CLEANOUT PER CITY OF UPLAND STANDARD CU-Z-4.	5 EA.
(61) CONSTRUCT 6" PVC SDR35 SEWER PIPE.	519 L.F.
(62) SAWCUT, REMOVE, AND REPLACE AC/BASE PER CITY OF UPLAND STANDARD CU-Z-3. TRENCH, BACKFILL AND PAVEMENT REPLACEMENT PER CITY OF UPLAND STANDARD W-23.	63 S.F.
(63) CONSTRUCT SEWER SADDLE PER CITY OF UPLAND STANDARD CU-Z-4.	1 EA.



INDEX MAP
SCALE: 1"=80'

CONSTRUCTION NOTES	QUANTITY
(1) CONSTRUCT 3" AC OVER 3" CLASS II A.B. AC PAVEMENT PER GREENBOOK (B-AR-4000). SOILS ENGINEER TO VERIFY R-VALUE AND PAVEMENT SECTION AFTER GRADING.	11,512 S.F.
(2) CONSTRUCT 6" CONCRETE CURB PER CITY UPLAND STD. NO. CU-R-2 TYPE "D."	1,585 L.F.
(3) CONSTRUCT 6" CURB & GUTTER PER CITY OF UPLAND STD. NO. CU-R-2 TYPE "A."	1272 L.F.
(4) CONSTRUCT 4' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.	-----
(5) CONSTRUCT 6" THICK CONCRETE PAVEMENT.	1222 S.F.
(6) CONSTRUCT 4" THICK CONCRETE SIDEWALK PER CITY OF UPLAND STD. NO. CU-P-3. (PRIVATE)	6,953 S.F.
(7) CONSTRUCT 3' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.	190 L.F.
(8) CONSTRUCT 24" CONCRETE CHANNEL PER DETAIL ON SHEET 2.	36 L.F.
(9) OMIT 3' CURB PER DETAIL ON SHEET 2.	6 L.F.
(10) CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLAN PER SEPARATE PERMIT.	1 EA.
(11) PAINT PARKING STRIPING PER ARCHITECTURAL PLANS PER SEPARATE PERMIT.	----
(12) CONSTRUCT ADA RAMP PER DETAIL ON SHEET 2.	1 EA.
(13) CONSTRUCT ADA PARKING PER DETAIL ON SHEET 2.	2 EA.
(14) CONSTRUCT ADA PARKING PER DETAIL 1 ON SHEET 2.	2 EA.
(15) CONSTRUCT TRUNCATED DOME PER DETAIL 2 ON SHEET 2.	50 S.F.
(16) CONSTRUCT RIP-RAP PAD PER DETAIL ON SHEET 2.	75 S.F.
(17) CONSTRUCT UNDERWALK DRAIN PER DETAIL ON SHEET 2.	2 EA.
(18) CONSTRUCT UNDERGROUND INFILTRATION SYSTEM PER DETAIL ON SHEET 2.	1 EA.
(19) INSTALL 12"ø HDPE (PRIVATE STORM DRAIN).	108 L.F.
(20) INSTALL 18"ø HDPE (PRIVATE STORM DRAIN).	621 L.F.
(21) INSTALL 18"X18"X12" TEE. (PRIVATE STORM DRAIN)	4 EA.
(22) INSTALL 18"ø-90° ELBOW. (PRIVATE STORM DRAIN)	1 EA.
(23) CONSTRUCT CANOPY PER ARCHITECTURAL PLAN AND SEPARATE PERMIT.	3 EA.
(24) INSTALL 18"ø-11.25° ELBOW. (PRIVATE STORM DRAIN)	4 EA.
(25) INSTALL 12"ø-45° ELBOW. (PRIVATE STORM DRAIN)	1 EA.
(26) CONSTRUCT 24"X24" BROOKS BOX. INSTALL FLEXSTORM INLET FILTER MODEL NO. 62HD24PCP AND STENCIL PER DETAILS ON SHEET 2.	6 EA.
(27) CONSTRUCT 18" CONCRETE PARKING ISALAND LANDING PER CITY OF UPLAND STD. NO. CU-L-5.	206 L.F.
(28) CONSTRUCT INFILTRATION BASIN PER ARCHITECTURAL PLAN AND PERMIT.	1 EA.
(29) CONSTRUCT WROUGHT IRON FENCE PER ARCHITECTURAL PLAN.	338 L.F.
(30) CONSTRUCT 6'-0" BLOCK WALL PER ARCHITECTURAL PLAN PER SEPARATE PERMIT.	248 L.F.
(31) CONSTRUCT 6'-0" MAX RETAINING WALL PER ARCHITECTURAL PLAN AND SEPARATE PLAN AND PERMIT.	510 L.F.
(32) CONSTRUCT BRIDGE PER SEPARATE PLAN AND PERMIT.	2 EA.
(33) CONSTRUCT FULL DEPTH AC PER DETAIL ON SHEET 2.	118 L.F.
(34) CONSTRUCT 8" CURB & GUTTER PER CITY OF UPLAND STD. NO. CU-R-2 TYPE "A."	31 L.F.
(35) CONSTRUCT DRIVEWAY PER CITY OF UPLAND STD. NO. CU-P-4 TYPE "A". (W=26'; X=3")	392 S.F.
(36) CONSTRUCT DRIVEWAY PER CITY OF UPLAND STD. NO. CU-P-4 TYPE "B". (W=26'; R=30')	485 S.F.
(37) CONSTRUCT GRAVEL ROAD PER ARCHITECTURAL PLAN.	827 S.F.
(38) CONSTRUCT 0" TO 6" TRANSITION CONCRETE CURB PER DETAIL ON SHEET 2.	2 EA.
(39) OMIT BLOCK FOR DRAINAGE SEE DETAIL ON SHEET2.	1 EA.
(40) CONSTRUCT WHEEL STOP PER DETAIL ON SHEET 2.	12 EA.
(41) INSTALL 18"ø-TEE. (PRIVATE STORM DRAIN)	1 EA.
(42) CONSTRUCT CONCRETE HEADWALL PER DETAIL ON SHEET 2. (PRIVATE STORM DRAIN)	1 EA.
(43) CONSTRUCT CONCRETE V-DITCH PER DETAIL ON SHEET 2. (PRIVATE STORM DRAIN)	10 L.F.

UTILITY CONTACTS

SEWER & WATER	CITY OF UPLAND WATER DIVISION 1370 NORTH BENSON AVENUE UPLAND, CA 91786 (909) 291-2930
ELECTRICAL	SOUTHERN CALIFORNIA EDISON P.O. BOX 788 RIALTO, CA 92376 (909) 875-6420
GAS	SOUTHERN CALIFORNIA GAS CO. 16231 VALLEY BLVD. FONTANA, CA 92335 (909) 428-8407
TELEPHONE	PACIFIC TELEPHONE CO. 3939 E. CORONADO ANAHEIM, CA 92807 (714) 666-5509
CABLE	NO SERVICE

SOIL ENGINEER

THIS GRADING PLAN HAS BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AS OUTLINED IN THE FOLLOWING SOILS REPORT FOR THIS PROJECT.
PROJECT NO: 24036-F/BMP
DATE: AUGUST 28, 2024
FIRM NAME: SOILS SOUTHWEST, INC
MALAY K. GUPTA
897 VIA LATA, SUITE N
COLTON, CA 92324
(909) 370-0474

MALAY K. GUPTA
RCE 3178 EXP. 12/31/26

DATE:

REGISTERED PROFESSIONAL ENGINEER MALAY K. GUPTA No.31708 Exp. 12/31/2026 CIVIL STATE OF CALIFORNIA

REMOVAL NOTES

REMOVAL NOTES	QUANTITY
[1] REMOVE EXISTING PAVEMENT.	6,428 S.F.
[2] REMOVE EXISTING WALL.	2,130 S.F.
[3] REMOVE EXISTING C.L. FENCE.	332 L.F.
[4] REMOVE EXISTING METAL TOOL BOX.	1 EA.
[5] REMOVE PILE OF ROCKS.	320 S.F.
[6] REMOVE EXISTING DRIVEWAY APPROACH	512 S.F.
[7] REMOVE EXISTING CURB & GUTTER.	91 L.F.
[8] REMOVE EXISTING TREE.	2 EA.
[9] REMOVE EXISTING UTILITY POLE BY OTHERS.	1 EA.

OWNER
SAN ANTONIO WATER
400 E. 20TH STREET
POMONA, CA 91784

CONTRACTOR
CEDG INC.
ERIK PETERSON
401 E. COLUMBIA AVE.
POMONA, CA 91767
(909) 625-3916

24 HOUR CONTACT
ERIK PETERSON
401 E. COLUMBIA AVE.
POMONA, CA 91767
(909) 625-3916

BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF TWENTIETH STREET AS SHOWN ON TRACT NO. 1135S M.B. 158 PAGES 65-66 AS RECORDED IN THE COUNTY OF SAN BERNARDINO'S RECORDER'S OFFICE.

SAID BEARING: NORTH 89°58'58" WEST

LEGEND

BW	BACK OF WALK
EG	EXISTING GRADE
FG	FINISH GRADE
FS	FINISH SURFACE
TC	TOP OF CURB
FL	FLOW LINE
EP	EDGE OF PAVEMENT
FF	FINISH FLOOR
PAD	PAD GRADE
TW	TOP OF WALL
TF	TOP OF FOOTING
HP	HIGH POINT
L.S.	LANDSCAPE
LP	LOW POINT
CF	CURB FACE
TG	TOP OF GRATE
WI	WROUGHT IRON
TRW	TOP OF RETAINING WALL
EDF	EXTRA DEPTH FOOTING
SCO	SEWER CLEANOUT
INV	INVERT OF PIPE
GB	GRADE BREAK
2:1	TOP OF SLOPE / RATE OF SLOPE / TOE OF SLOPE
— —S— —	EXISTING SEWER
— —W— —	EXISTING WATER
— —E— —	EXISTING ELEC.
— —G— —	EXISTING GAS
— —T— —	EXISTING COMM.
—— x ——	EXISTING CHAIN-LINK FENCE
—— □ ——	EXISTING WROUGHT IRON FENCE
	EXISTING FIRE HYDRANT
	EXISTING FDC
●	EXISTING POWER POLE
WV	EXISTING WATER VALVE
GM	EXISTING GAS METER
WM	EXISTING WATER METER
PB	EXISTING PULL BOX
ICV	EXISTING ICV
(D)	EXISTING STORM DRAIN
(S)	EXISTING SEWER DRAIN
(T)	EXISTING TELECOMM MANHOLE
●	FOUND MONUMENT AS NOTED
	EXISTING HANDICAP SIGN
	EXISTING 3'ø PALM TREE
	EXISTING TREE
	EXISTING LIGHT
	EXISTING STREET LIGHT
	EXISTING TRAFFIC SIGNAL
	EXISTING GUY-WIRE
	EXISTING CONTOUR
	FINISH CONTOURS
	DAYLIGHT LINE
	EXIST. CONCRETE
	REMOVAL
	CONCRETE
	ASPHALT PAVING

DECLARATION OF ENGINEER OF RECORDS

I HEREBY DECLARE THAT IN MY PROFESSIONAL OPINION, THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH THE CURRENT PROFESSIONAL ENGINEER STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ACCEPTED FULL RESPONSIBILITY FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS COMPLY WITH THE CITY OF UPLAND IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THAT THESE PLANS COMPLY WITH THE CITY STANDARDS AND OTHER APPLICABLE CODES AND ORDINANCES. THE PLAN REVIEW PROCESS IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT THEREFORE RELIEVE ME OF MY DESIGN RESPONSIBILITY.

AS THE ENGINEER OF RECORD, I AGREE TO DEFEND AND INDEMNITY THE CITY OF UPLAND, ITS OFFICERS, ITS AGENT, AND ITS EMPLOYEES FROM ANY AND LIABILITY, CLAIMS, DAMAGES, OR INJURIES TO ANY PERSON OR PROPERTY ARISING FROM NEGLIGENT ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF RECORD, HIS EMPLOYEES, HIS AGENT OR HIS CONSULTANTS.

SIGNATURE: KEVIN J. RICHER RCE 43714 EXP. 3/31/27 DATE: 7/30/26

DESIGN PROFESSIONAL'S STATEMENT

THIS GRADING PLAN WAS PREPARED UNDER MY DIRECTION AND IS IN ACCORDANCE CALIFORNIA BUILDING CODE (LATEST EDITION) AND CHAPTER 15.52 OF THE UPLAND AND MUNICIPAL CODE. THE SITE GRADING AND ALL APPLICABLE DETAILS CONFORM TO THE PROVISIONS OF SERIES CU-E OF THE STANDARD DRAWINGS OF THE CITY OF UPLAND, WITH SERIES ED-E OF THE ENGINEERING DIRECTIVES, AND WITH ANY CITY OF UPLAND CONDITIONS OF APPROVAL CONCERNING GRADING. IN MY OPINION, ADEQUATE PROVISIONS HAVE BEEN MADE FOR THE DRAINAGE OF SURFACE WATERS FROM EACH BUILDING SITE.

LAND DEVELOPMENT DESIGN COMPANY, LLC
FIRM NAME

KEVIN J. RICHER — 43714 — 03/31/27
SIGNATURE — RCE # — EXP.

PROJECT MANAGER
TITLE
7/30/26
DATE

GRADING QUANTITIES

ITEM	CUT (C.Y.) A	FILL (C.Y.) B
1. RAW VOLUME	4,381	3,252
2. OVEREXCAVATION (3.0' AVG. UNDER PADS)	1,326	1,326
3. TOTAL (1A+2A)	5,707	4,578
4. SHRINKAGE (10% 3A) (SUBTOTAL)	574	-----
5. SPOILS	697	-----
6. CUT AVAILABLE (3A-4A+5A)	5,830	-----
7. FILL REQUIRED (1B+2B)	---	4,578

TOTAL EXPORT: 1,252 CY

SHEET INDEX

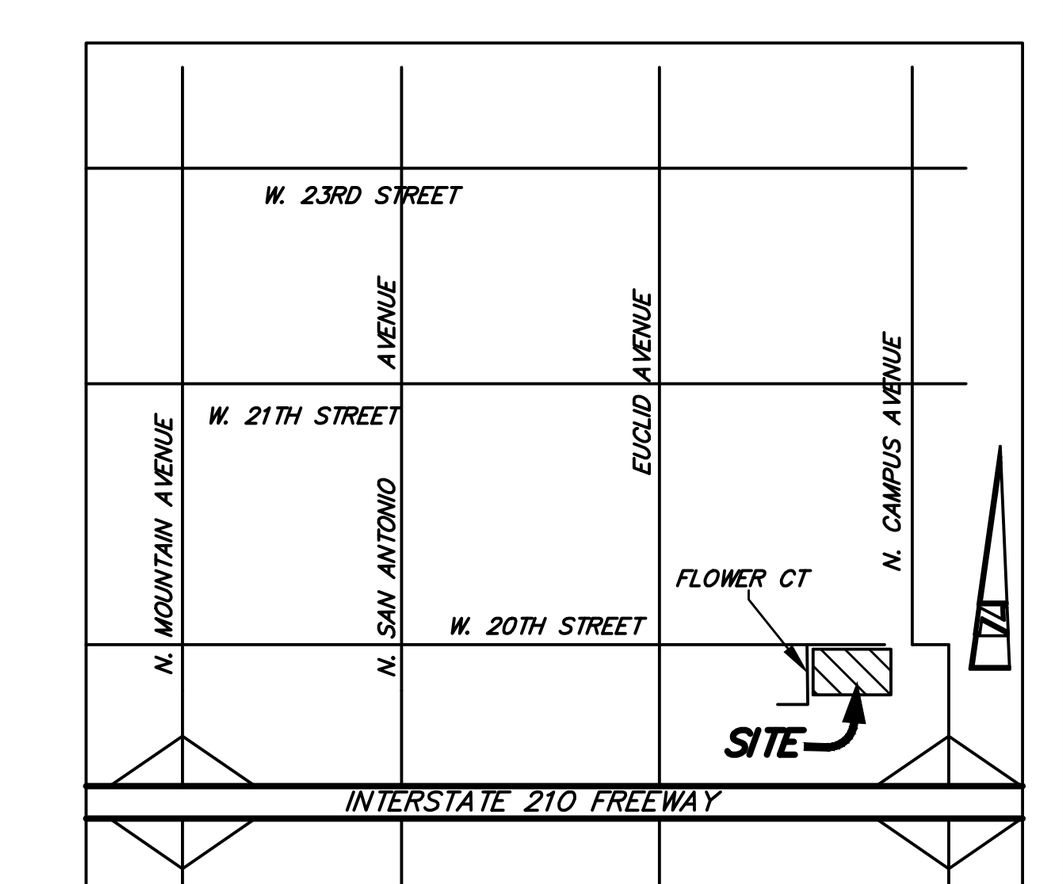
TITLE SHEET	SHEET 1
DETAILS	SHEET 2
PRECISE GRADING PLAN	SHEET 3
PRECISE GRADING PLAN	SHEET 4
EROSION CONTROL PLAN	SHEET 5
HORIZONTAL CONTROL PLAN	SHEET 6
UTILITY PLAN	SHEET 7

ACREAGE
GROSS AREA: 222,084S.F. (5.10 ACRES)

DISTURBED AREA
164,800 S.F. (3.78 ACRES)

ASSESSOR'S PARCEL NUMBER
1044-091-22-0000

ESTIMATED START DATE: JANUARY 3, 2027
ESTIMATED COMPLETION DATE: JUNE 3, 2027



VICINITY MAP
N.T.S.

6773

PLAN NO.
PROJECT NO.

BENCHMARK NO. EV9146
LOCATION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1989 3.6 KM WEST ALONG 19TH STREET FROM THE ALTA LOMA POST OFFICE AND AMETHYST AVE 42.5M(139.4FT) E OF A MWD MANHOLE NUMBER 3068+00 23.7M(77.8FT) N OF THE CENTERLINE OF 19TH STREET 5.9M(19.4FT) ESE OF THE CENTER OF A GATE 4.3M(14.1FT) SE OF THE CENTER OF A GRAVELED SERVICE ROAD ALONG THE MWDRIGHT OF WAY AND 0.5M(1.6FT) ABOVE THE STREET.
ELEV. 1629.03 (NAVD 88)

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PREPARED BY:
LAND DEVELOPMENT DESIGN COMPANY, LLC
425 E. Arrow Highway, #364
Glendora, CA 91740
(909) 930-1466
PLANNING • CIVIL • SURVEYING
KEVIN J. RICHER
RCE: 43714 LIC. EXP. 03/31/27
10/9/26 DATE

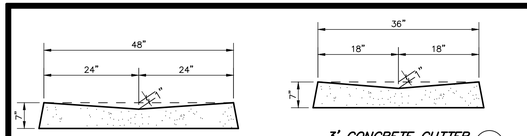
REGISTERED PROFESSIONAL ENGINEER KEVIN J. RICHER No. 43714 CIVIL STATE OF CALIFORNIA

DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY: ______ DATE
R.C.E. EXP. DATE
RECOMMENDED BY: ENGINEERING STAFF
RECOMMENDED BY: LAND DEVELOPMENT TRANSPORTATION

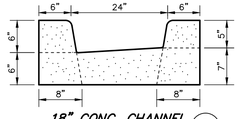
CITY OF UPLAND GPA-24-0004 DPR-24-0008
PRECISE GRADING PLAN TITLE SHEET
400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 1 OF 7 SHEETS
DRAWING NO. GP 26-02

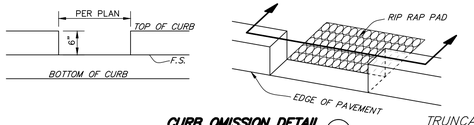


4' CONCRETE GUTTER (4)
NTS

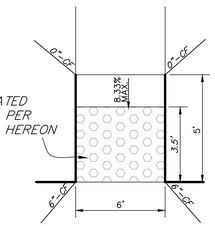
3' CONCRETE GUTTER (7)
NTS



18" CONC. CHANNEL (8)
NTS

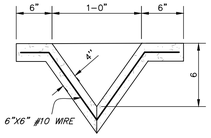


CURB OMISSION DETAIL (9)
NTS

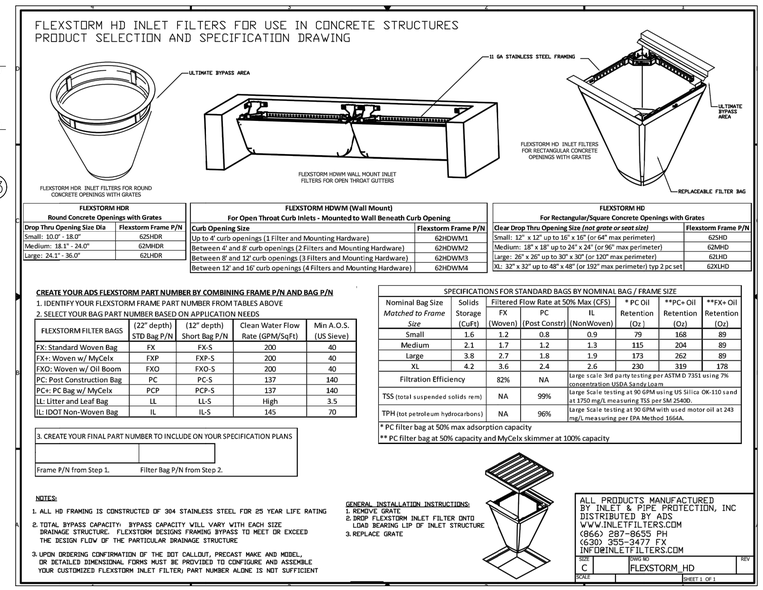


TRUNCATED DOMES PER DETAIL HEREON

H.C. RAMP DETAIL (12)
NTS



1'-0" WIDE V-DITCH (43)
NTS



FLEXSTORM HDR
Round Concrete Openings with Grates

Drop Thru Opening Size Dia	Flexstorm Frame P/N
Small: 10.0" - 18.0"	62SHDR
Medium: 18.1" - 24.0"	62MHDR
Large: 24.1" - 36.0"	62LHDR

FLEXSTORM HDWM (Wall Mount)
For Open Throat Curb Inlets - Mounted to Wall Beneath Curb Opening

Curb Opening Size	Flexstorm Frame P/N
Up to 4' curb openings (1 Filter and Mounting Hardware)	62HDWM1
Between 4' and 8' curb openings (2 Filters and Mounting Hardware)	62HDWM2
Between 8' and 12' curb openings (3 Filters and Mounting Hardware)	62HDWM3
Between 12' and 16' curb openings (4 Filters and Mounting Hardware)	62HDWM4

FLEXSTORM HD
For Rectangular/Square Concrete Openings with Grates

Clear Drop Thru Opening Size *(not grate or seat size)*	Flexstorm Frame P/N
Small: 12" x 12" up to 16" x 16" (or 64" max perimeter)	62SHD
Medium: 18" x 18" up to 24" x 24" (or 96" max perimeter)	62MHD
Large: 26" x 26" up to 30" x 30" (or 120" max perimeter)	62LHD
XL: 32" x 32" up to 48" x 48" (or 192" max perimeter) typ 2 pc set	62XLHD

CREATE YOUR ADS FLEXSTORM PART NUMBER BY COMBINING FRAME P/N AND BAG P/N
1. IDENTIFY YOUR FLEXSTORM FRAME PART NUMBER FROM TABLES ABOVE
2. SELECT YOUR BAG PART NUMBER BASED ON APPLICATION NEEDS

FLEXSTORM FILTER BAGS	(22" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	200	40
FX+: Woven w/ MyCelx	FXP	FXP-S	200	40
FXO: Woven w/ Oil Boom	FXO	FXO-S	200	40
PC: Post Construction Bag	PC	PC-S	137	140
PC+: PC Bag w/ MyCelx	PCP	PCP-S	137	140
LL: Litter and Leaf Bag	LL	LL-S	High	3.5
IL: IDOT Non-Woven Bag	IL	IL-S	145	70

3. CREATE YOUR FINAL PART NUMBER TO INCLUDE ON YOUR SPECIFICATION PLANS

Frame P/N from Step 1. | Filter Bag P/N from Step 2.

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL BAG / FRAME SIZE

Nominal Bag Size *Matched to Frame Size*	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max (CFS) FX (Woven)	PC (Post Constr)	IL (NonWoven)	* PC Oil Retention (Oz.)	**PC+ Oil Retention (Oz)	**FX+ Oil Retention (Oz)
Small	1.6	1.2	0.8	0.9	79	168	89
Medium	2.1	1.7	1.2	1.3	115	204	89
Large	3.8	2.7	1.8	1.9	173	262	89
XL	4.2	3.6	2.4	2.6	230	319	178
Filtration Efficiency		82%	NA	Large scale 3rd party testing per ASTM D 7351 using 7% concentration USDA Sandy Loam			
TSS (total suspended solids rem)		NA	99%	Large Scale testing at 90 GPM using US Silica OK-110 sand at 1750 mg/L measuring TSS per SM 2540D.			
TPH (tot petroleum hydrocarbons)		NA	96%	Large Scale testing at 90 GPM with used motor oil at 243 mg/L measuring per EPA Method 1664A.			

* PC filter bag at 50% max adsorption capacity
** PC filter bag at 50% capacity and MyCelx skimmer at 100% capacity

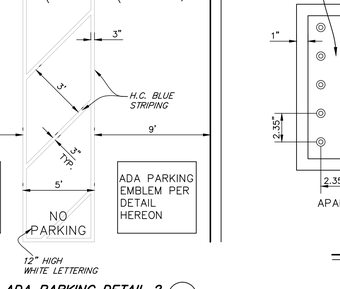
NOTES:
1. ALL HD FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR LIFE RATING
2. TOTAL BYPASS CAPACITY: BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE
3. UPON ORDERING CONFIRMATION IF THE DOT CALLOUT, PRECAST MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER; PART NUMBER ALONE IS NOT SUFFICIENT

GENERAL INSTALLATION INSTRUCTIONS:
1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF INLET STRUCTURE
3. REPLACE GRATE

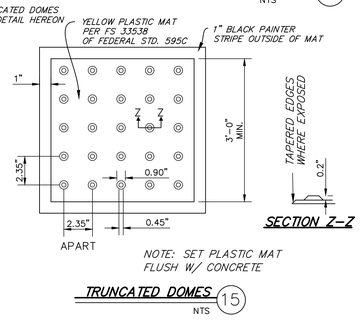
ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC
DISTRIBUTED BY ADS
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

SIZE	DWG NO	REV
C	FLEXSTORM_HD	
SCALE	SHEET 1 OF 1	

FLEXSTORM INLET FILTER (26)(27)
NTS



ADA PARKING DETAIL 2 (14)
NTS



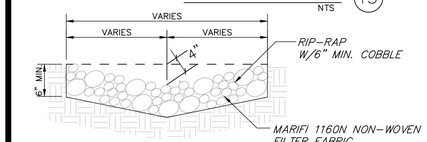
NOTE: SET PLASTIC MAT FLUSH W/ CONCRETE

SECTION Z-Z

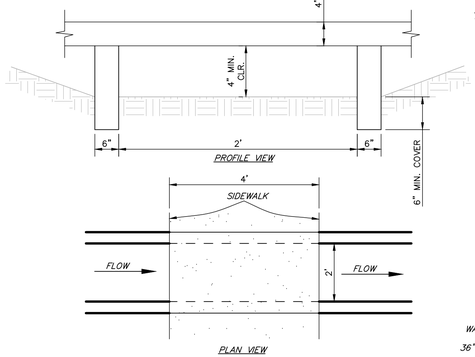
TRUNCATED DOMES (15)
NTS



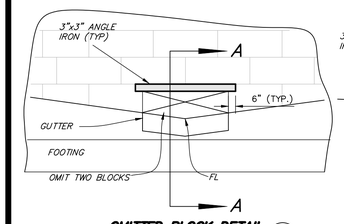
STENCIL (26)(27)
NTS



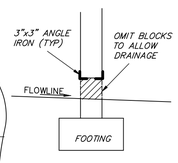
RIP RAP PAD (16)
NTS



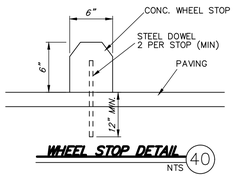
UNDERWALK DRAIN (17)
NTS



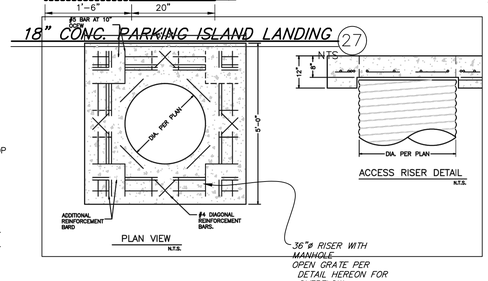
OMITTED BLOCK DETAIL (39)
NTS



SECTION A-A
NTS

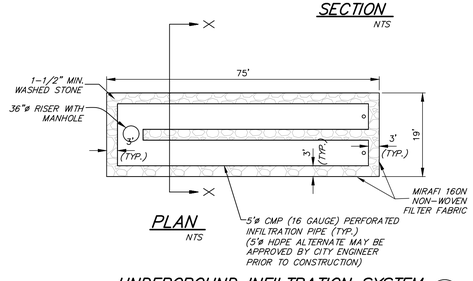


WHEEL STOP DETAIL (40)
NTS



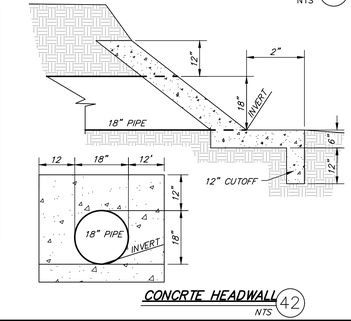
18" CONC. PARKING ISLAND LANDING (27)
NTS

RISER DETAIL
NTS



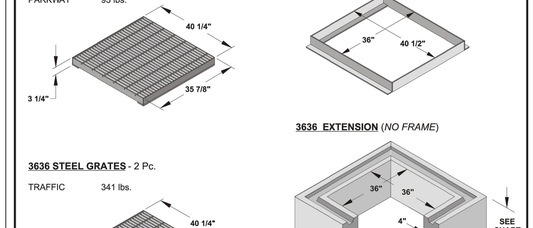
SECTION
NTS

PLAN
NTS



UNDERGROUND INFILTRATION SYSTEM (18)
NTS

CONCRTE HEADWALL (42)
NTS



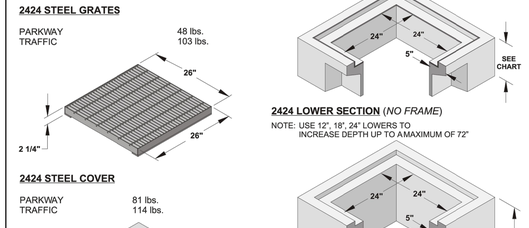
NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" OR "HEEL-PROOF" GRATES ARE NOT AVAILABLE FOR THIS SERIES
3. BOLT DOWN GRATES AND COVERS ARE AVAILABLE

EXTENSION SECTION	HT.	LBS	KNOCK-OUTS
3636 E6	6"	525	NONE
3636 E12	12"	1050	NONE

BOTTOM SECTION	HT.	LBS	KNOCK-OUTS
3636 B36	36"	2,230	(4) 30" DIA.

36" x 36" CATCH BASIN
ORIG. DWG DATE 11-23-99 | REV. DWG DATE 02-18-00
BROOKS PRODUCTS 3636 CB

36"X36" BOX DETAIL (27)



NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC .
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY ONLY
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUTS
2424 T6	6"	270	NONE
2424 T12	12"	495	(4) 6" x 11"
2424 T18	18"	745	(4) 9" x 12"
2424 T24	24"	870	(4) 14" x 14"

EXTENSION SECTION	HT.	LBS	KNOCK-OUTS
2424 E6	6"	270	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUTS
2424 L12	12"	495	(4) 6" x 11"
2424 L18	18"	745	(4) 9" x 12"
2424 L24	24"	870	(4) 14" x 14"

BOTTOM SECTION	HT.	LBS	KNOCK-OUTS
2424 B30	30"	1595	(4) 18" x 18"
2424 B36	36"	1905	(4) 18" x 18"

24" x 24" CATCH BASIN
ORIG. DWG DATE 11-23-99 | REV. DWG DATE 02-28-00
BROOKS PRODUCTS 2424 CB

24"x24" CATCH BASIN (26)
NTS

7-05

DIGALERT
DIAL TOLL FREE 811
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCHMARK NO.
LOCATION:

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PREPARED BY:
LAND DEVELOPMENT DESIGN COMPANY, LLC
425 E. Arrow Highway, #364
Glendora, CA 91740
(909) 930-1466
PLANNING • CIVIL • SURVEYING
KEVIN J. RICHER RCE: 43714 LIC. EXP. 03/31/27
10/9/26 DATE

REGISTERED PROFESSIONAL ENGINEER KEVIN J. RICHER No. 43714 CIVIL STATE OF CALIFORNIA

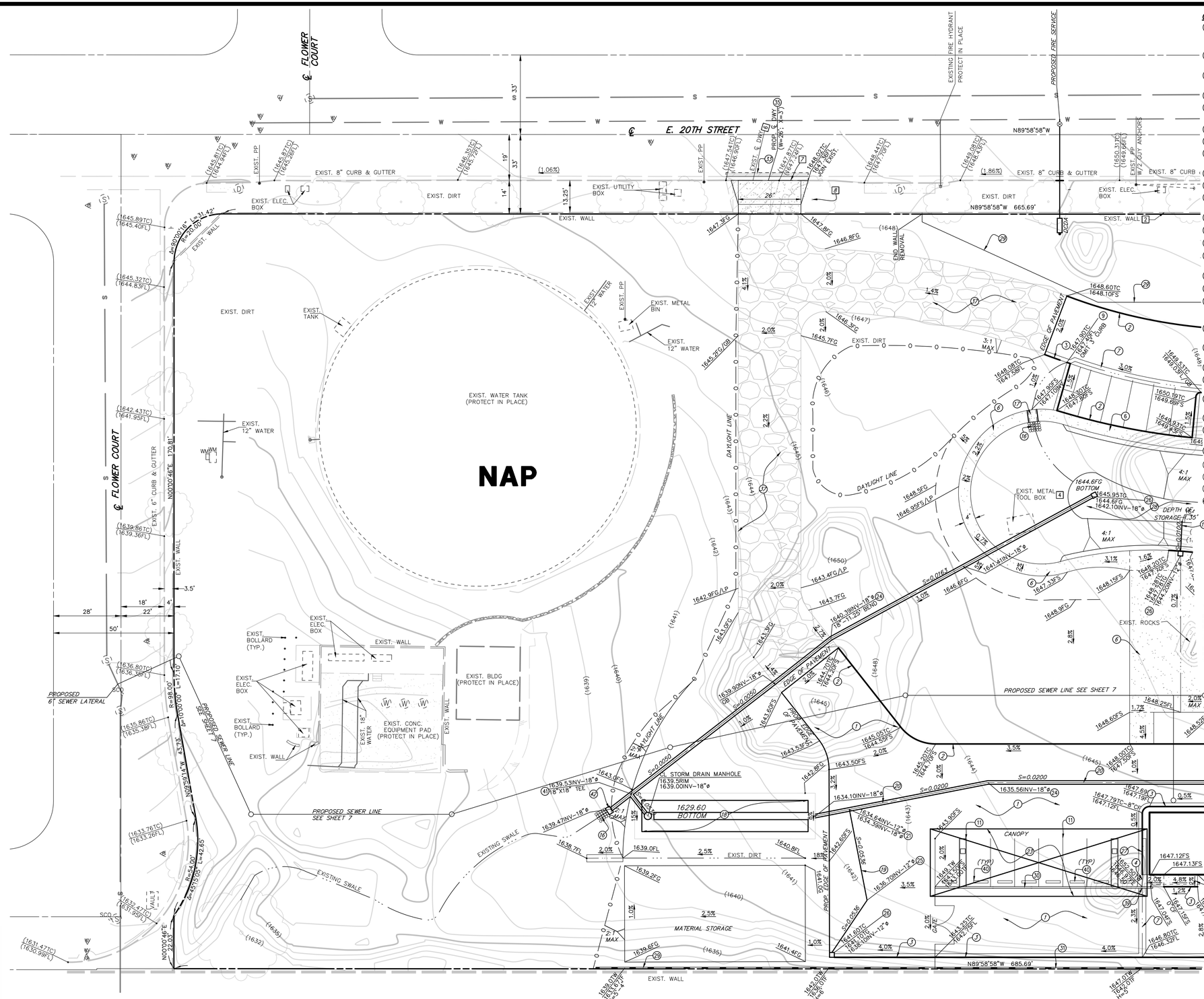
DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY: DATE
R.C.E. EXP. DATE
RECOMMENDED BY: ENGINEERING STAFF
RECOMMENDED BY: LAND DEVELOPMENT TRANSPORTATION

CITY OF UPLAND
PRECISE GRADING PLAN DETAILS
400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 2 OF 7 SHEETS
DRAWING NO. GP 26-02

PLAN NO.
PROJECT NO. 6773



CONSTRUCTION NOTES

1. CONSTRUCT 3" AC OVER 3" CLASS II A.B. AC PAVEMENT PER GREENBOOK (B-AR-4000). SOILS ENGINEER TO VERIFY R-VALUE AND PAVEMENT SECTION AFTER GRADING.
2. CONSTRUCT 6" CONCRETE CURB PER CITY UPLAND STD. NO. CU-R-2 TYPE "D."
3. CONSTRUCT 6" CURB & GUTTER PER CITY OF UPLAND STD. NO. CU-R-2 TYPE "A."
4. CONSTRUCT 4' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.
6. CONSTRUCT 4" THICK CONCRETE SIDEWALK PER CITY OF UPLAND STD. NO. CU-P-3. (PRIVATE)
7. CONSTRUCT 3' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.
9. OMIT 3' CURB PER DETAIL ON SHEET 2.
11. PAINT PARKING STRIPING PER ARCHITECTURAL PLANS PER SEPARATE PERMIT.
16. CONSTRUCT RIP-RAP PAD PER DETAIL ON SHEET 2.
17. CONSTRUCT UNDERWALK DRAIN PER DETAIL ON SHEET 2.
18. CONSTRUCT UNDERGROUND INFILTRATION SYSTEM PER DETAIL ON SHEET 2.
19. INSTALL 12"ø HDPE (PRIVATE STORM DRAIN).
20. INSTALL 18"ø HDPE (PRIVATE STORM DRAIN).
21. INSTALL 18"X18"X12" TEE. (PRIVATE STORM DRAIN)
23. CONSTRUCT CANOPY PER ARCHITECTURAL PLAN AND SEPARATE PERMIT.
24. INSTALL 18"ø-11.25° ELBOW. (PRIVATE STORM DRAIN)
25. INSTALL 12"ø-45° ELBOW. (PRIVATE STORM DRAIN)
26. CONSTRUCT 24"X24" BROOKS BOX. INSTALL FLEXSTORM INLET FILTER MODEL NO. 62HD24PCP AND STENCIL PER DETAILS ON SHEET 2.
27. CONSTRUCT 18" CONCRETE PARKING ISALAND LANDING PER CITY OF UPLAND STD. NO. CU-L-5.
28. CONSTRUCT INFILTRATION BASIN PER ARCHITECTURAL PLAN AND PERMIT.
29. CONSTRUCT WROUGHT IRON FENCE PER ARCHITECTURAL PLAN.
30. CONSTRUCT 6'-0" BLOCK WALL PER ARCHITECTURAL PLAN PER SEPARATE PERMIT.
31. CONSTRUCT 6'-0" MAX RETAINING WALL PER ARCHITECTURAL PLAN AND SEPARATE PLAN AND PERMIT.
33. CONSTRUCT FULL DEPTH AC PER DETAIL ON SHEET 2.
35. CONSTRUCT DRIVEWAY PER CITY OF UPLAND STD. NO. CU-P-4 TYPE "A". (W=26'; X=3")
37. CONSTRUCT GRAVEL ROAD PER ARCHITECTURAL PLAN.
39. OMIT BLOCK FOR DRAINAGE SEE DETAIL ON SHEET 2.
40. CONSTRUCT WHEEL STOP PER DETAIL ON SHEET 2.
41. INSTALL 18"ø-TEE. (PRIVATE STORM DRAIN)
42. INSTALL CONCRETE HEADWALL PER DETAIL ON SHEET 2. (PRIVATE STORM DRAIN)

REMOVAL NOTES

2. REMOVE EXISTING WALL.
4. REMOVE EXISTING METAL TOOL BOX.
6. REMOVE EXISTING DRIVEWAY APPROACH
7. REMOVE EXISTING CURB & GUTTER.
8. REMOVE EXISTING TREE.

SCALE: 1"=20'

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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
CIVIL
STATE OF CALIFORNIA

DRAWN BY: RAS
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CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY: DATE
R.C.E. EXP. DATE
RECOMMENDED BY: ENGINEERING STAFF
RECOMMENDED BY: LAND DEVELOPMENT TRANSPORTATION

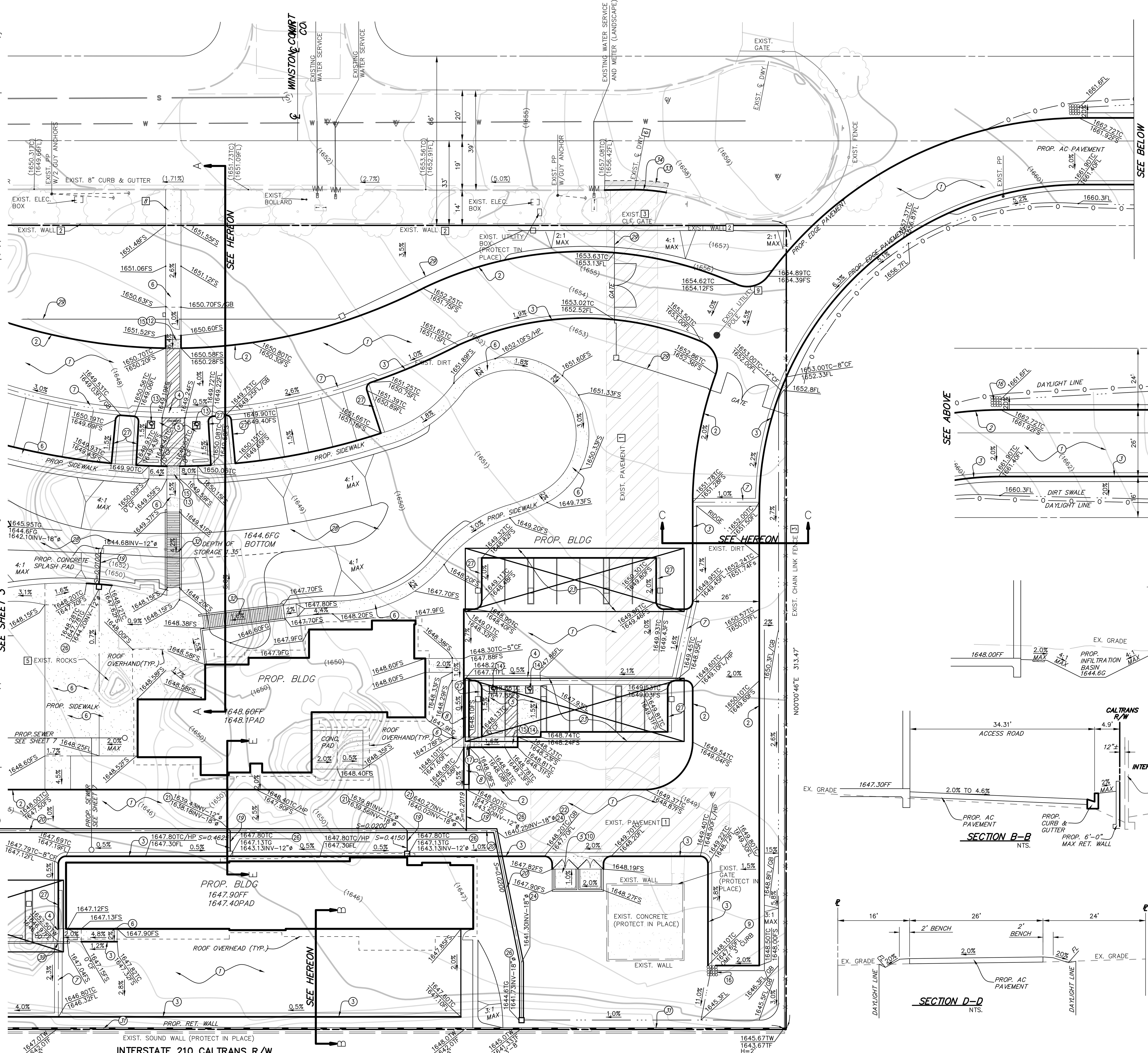
CITY OF UPLAND
PRECISE GRADING PLAN
400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 3 OF 7 SHEETS
DRAWING NO. GP 26-02
PLAN NO.
PROJECT NO.

6773

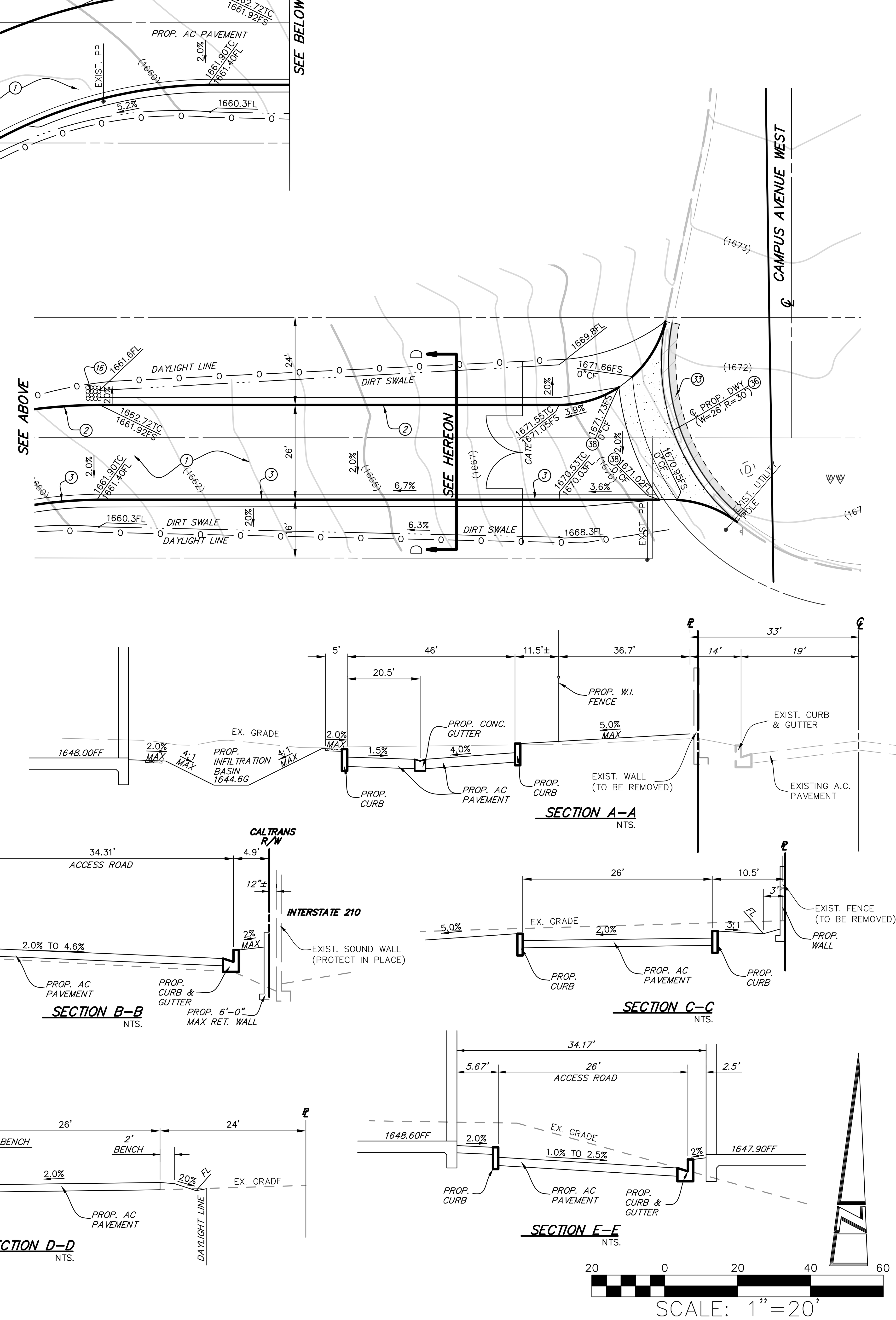
CONSTRUCTION NOTES

1. CONSTRUCT 3" AC OVER 3" CLASS II A.B. AC PAVEMENT PER GREENBOOK (B-AR-4000). SOILS ENGINEER TO VERIFY R-VALUE AND PAVEMENT SECTION AFTER GRADING.
2. CONSTRUCT 6" CONCRETE CURB PER CITY UPLAND STD. NO. CU-R-2 TYPE "D."
3. CONSTRUCT 6" CURB & GUTTER PER CITY OF UPLAND STD. NO. CU-R-2 TYPE "A."
4. CONSTRUCT 4' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.
5. CONSTRUCT 6" THICK CONCRETE PAVEMENT.
6. CONSTRUCT 4" THICK CONCRETE SIDEWALK PER CITY OF UPLAND STD. NO. CU-P-3. (PRIVATE)
7. CONSTRUCT 3' WIDE CONCRETE GUTTER PER DETAIL ON SHEET 2.
8. CONSTRUCT 24" CONCRETE CHANNEL PER DETAIL ON SHEET 2.
9. OMIT 3' CURB PER DETAIL ON SHEET 2.
10. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLAN PER SEPARATE PERMIT.
11. PAINT PARKING STRIPING PER ARCHITECTURAL PLANS PER SEPARATE PERMIT.
12. CONSTRUCT ADA RAMP PER DETAIL ON SHEET 2.
13. CONSTRUCT ADA PARKING PER DETAIL 1 ON SHEET 2.
14. CONSTRUCT ADA PARKING PER DETAIL 2 ON SHEET 2.
15. CONSTRUCT TRUNCATED DOME PER DETAIL 2 ON SHEET 2.
16. CONSTRUCT RIP-RAP PAD PER DETAIL ON SHEET 2.
17. CONSTRUCT UNDERWALK DRAIN PER DETAIL ON SHEET 2.
18. CONSTRUCT UNDERGROUND INFILTRATION SYSTEM PER DETAIL ON SHEET 2.
19. INSTALL 12"ø HDPE (PRIVATE STORM DRAIN).
20. INSTALL 18"ø HDPE (PRIVATE STORM DRAIN).
21. INSTALL 18"X18"X12" TEE. (PRIVATE STORM DRAIN)
22. INSTALL 18"ø-90° ELBOW. (PRIVATE STORM DRAIN)
23. CONSTRUCT CANOPY PER ARCHITECTURAL PLAN AND SEPARATE PERMIT.
24. INSTALL 18"ø-11.25° ELBOW. (PRIVATE STORM DRAIN)
25. INSTALL 12"ø-45° ELBOW. (PRIVATE STORM DRAIN)
26. CONSTRUCT 24"X24" BROOKS BOX. INSTALL FLEXSTORM INLET FILTER MODEL NO. 62HD24PCP AND STENCIL PER DETAILS ON SHEET 2.
27. CONSTRUCT 18" CONCRETE PARKING ISALAND LANDING PER CITY OF UPLAND STD. NO. CU-L-5.
28. CONSTRUCT INFILTRATION BASIN PER ARCHITECTURAL PLAN AND PERMIT.
29. CONSTRUCT WROUGHT IRON FENCE PER ARCHITECTURAL PLAN.
30. CONSTRUCT 6'-0" BLOCK WALL PER ARCHITECTURAL PLAN PER SEPARATE PERMIT.
31. CONSTRUCT 6'-0" MAX RETAINING WALL PER ARCHITECTURAL PLAN AND SEPARATE PLAN AND PERMIT.
32. CONSTRUCT BRIDGE PER SEPARATE PLAN AND PERMIT.
33. CONSTRUCT FULL DEPTH AC PER DETAIL ON SHEET 2.
34. CONSTRUCT 8" CURB & GUTTER PER CITY OF UPLAND STD. NO. CU-R-2 TYPE "A."
35. CONSTRUCT DRIVEWAY PER CITY OF UPLAND STD. NO. CU-P-4 TYPE "A". (W=26'; X=3")
36. CONSTRUCT DRIVEWAY PER CITY OF UPLAND STD. NO. CU-P-4 TYPE "B". (W=26'; R=30')
37. CONSTRUCT GRAVEL ROAD PER ARCHITECTURAL PLAN.
38. CONSTRUCT 0" TO 6" TRANSITION CONCRETE CURB PER DETAIL ON SHEET 2.
39. OMIT BLOCK FOR DRAINAGE SEE DETAIL ON SHEET 2.
40. CONSTRUCT WHEEL STOP PER DETAIL ON SHEET 2.



REMOVAL NOTES

1. REMOVE EXISTING PAVEMENT.
2. REMOVE EXISTING WALL.
3. REMOVE EXISTING C.L. FENCE.
4. REMOVE EXISTING METAL TOOL BOX.
5. REMOVE PILE OF ROCKS.
6. REMOVE EXISTING DRIVEWAY APPROACH
8. REMOVE EXISTING TREE.
9. REMOVE EXISTING UTILITY POLE BY OTHERS.



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811
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

6773

BENCHMARK NO.
LOCATION:

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PREPARED BY:

LAND DEVELOPMENT DESIGN COMPANY, LLC
425 E. Arrow Highway, #364
Glendora, CA 91740
(909) 930-1466
PLANNING • CIVIL • SURVEYING

KEVIN J. RICHER
RCE: 43714 LIC. EXP. 03/31/27
10/9/26
DATE

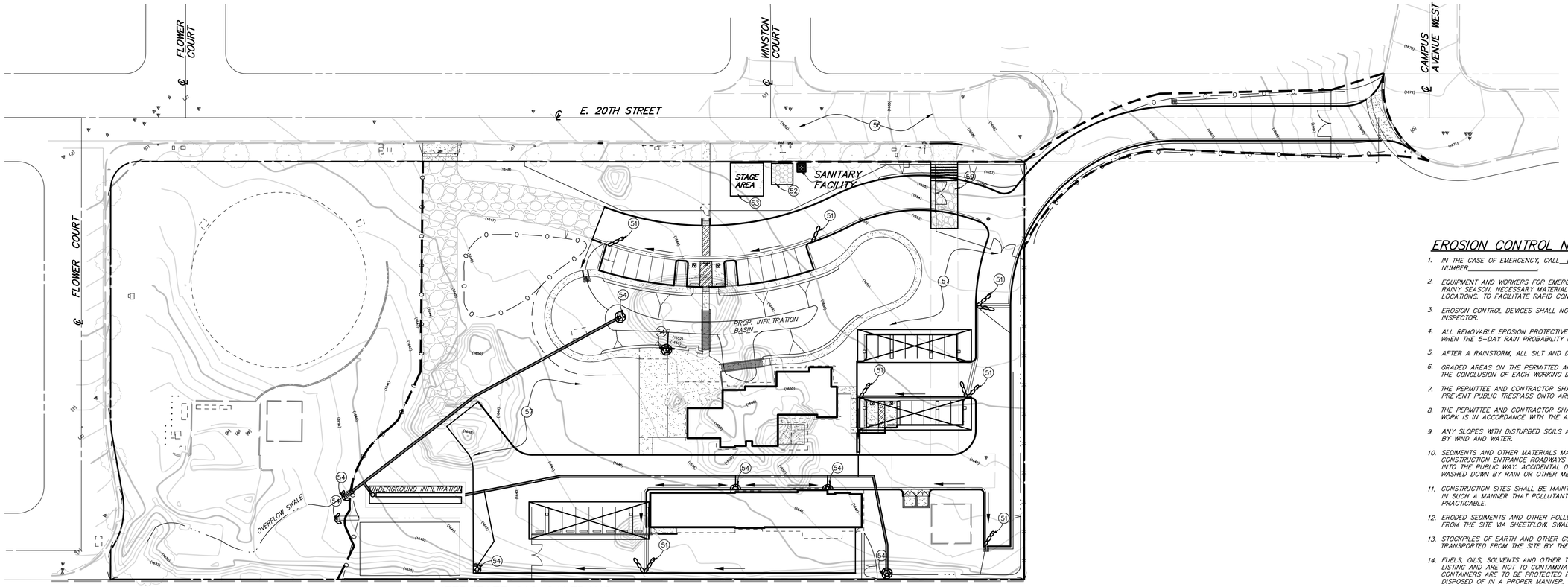
REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
CIVIL
STATE OF CALIFORNIA

DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY:
DATE
R.C.E. EXP. DATE
RECOMMENDED BY: RECOMMENDED BY:
ENGINEERING STAFF LAND DEVELOPMENT TRANSPORTATION

CITY OF UPLAND
PRECISE GRADING PLAN
400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 4 OF 7 SHEETS
DRAWING NO. GP 26-02
PLAN NO.
PROJECT NO.



SPECIAL NOTE FROM PRIVATE ENGINEER TO CONTRACTOR:

QUALIFIED SWPPP PRACTITIONER (QSP) AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, QSP WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JON SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS AND QSP FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

EROSION CONTROL NOTES

1. IN THE CASE OF EMERGENCY, CALL ERIK PETERSON AT WORK NUMBER (909) 625-3916 OR HOME NUMBER_____.
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS. TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY INSPECTOR.
4. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%
5. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
6. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
7. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
8. THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND ENSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
9. ANY SLOPES WITH DISTURBED SOILS ARE DENUDED VEGETATION MUST BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.
10. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
11. CONSTRUCTION SITES SHALL BE MAINTAINED BY IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP) IN SUCH A MANNER THAT POLLUTANTS ARE NOT DISCHARGED FROM THE SITE TO THE MAXIMUM EXTENT PRACTICABLE.
12. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.
13. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER.
14. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
15. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS A SOLID WASTE.
16. ALL NON-STORMWATER DISCHARGES, UNLESS EXPECTED OR AUTHORIZED BY AN NPDES PERMIT, REQUIRE PRIOR APPROVAL BY THE STATE WATER RESOURCES CONTROL BOARD.
17. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

EROSION CONTROL NOTES — QUANTITY

		QUANTITY
50	CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL HEREON AND PER TC-1 OF THE CALIFORNIA STORMWATER BMP HANDBOOK.	1 EA.
51	CONSTRUCT GRAVEL BAG VELOCITY REDUCER PER DETAIL HEREON.	10 EA.
52	CONSTRUCT CONCRETE TRUCK WASHOUT PER DETAIL HEREON.	1 EA.
53	CONSTRUCT STAGING AREA PER DETAIL HEREON.	1 EA.
54	CONSTRUCT CATCH BASIN CHECK DAM PER DETAIL HEREON AND PER SE-10 OF THE CALIFORNIA STORMWATER BMP HANDBOOK.	9 EA.
55	CONSTRUCT SILT FENCE PER DETAIL HEREON AND PER SE-1 OF THE CALIFORNIA STORMWATER BMP HANDBOOK.	1,460 L.F.
56	CONDUCT STREET SWEEPING AS NEEDED PER SE-7 OF THE CALIFORNIA STORMWATER BMP HANDBOOK.	----
57	APPLY WIND EROSION CONTROL AS NEEDED PER WE-1 OF THE CALIFORNIA STORMWATER BMP HANDBOOK.	----

LEGEND:

- STABILIZED CONSTRUCTION ENTRANCE PER DETAIL HEREON
- CEMENT TRUCK WASH AREA PER DETAIL HEREON.
- CONSTRUCTION STAGING AREA PER DETAIL HEREON.
- PROPOSED SILT FENCE
- PROPOSED GRAVEL BAGS
- DRAINAGE FLOW

DESIGN PROFESSIONAL'S STATEMENT TEMPORARY DRAINAGE AND EROSION CONTROL

THIS DRAINAGE AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION. BERMS, SWALES, SANDBAGS AND OTHER TEMPORARY DRAINAGE FACILITIES SHOWN HERE ARE TO BE INSTALLED AND MAINTAINED DURING THE CONSTRUCTION PHASE OF THE PROJECT.

IN MY OPINION, ADEQUATE PROVISIONS HAVE BEEN MADE TO PROVIDE DRAINAGE OF SURFACE WATER FROM THE SITE WITHOUT CAUSING FLOODING OR SEDIMENTATION PROBLEMS ON PUBLIC RIGHTS-OF-WAY OR SURROUNDING PRIVATE PROPERTY.

LAND DEVELOPMENT DESIGN COMPANY, LLC
FIRM NAME

KEVIN J. RICHER — RCE 43714 EXP. 03/31/27

PROJECT MANAGER
TITLE

10/9/26
DATE

40 0 40 80 120
SCALE: 1"=40'

24 HOURS CONTACT

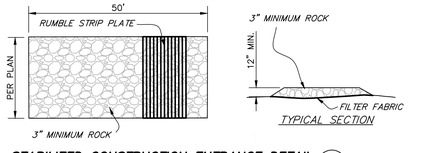
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PLAN NO.

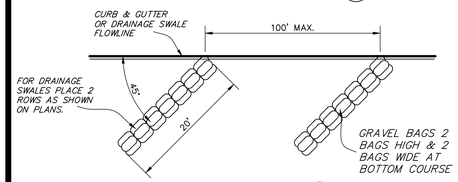
PROJECT NO.

STABILIZED CONSTRUCTION ENTRANCE DETAIL (50)



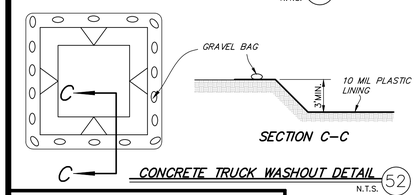
NTS

GRAVEL BAG VELOCITY REDUCER (51)



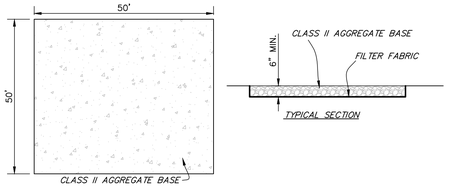
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CONCRETE TRUCK WASHOUT DETAIL (52)



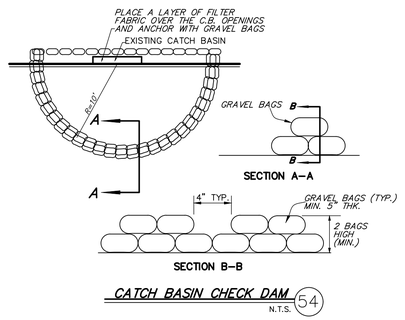
N.T.S.

CONSTRUCTION STAGING AREA DETAIL (53)



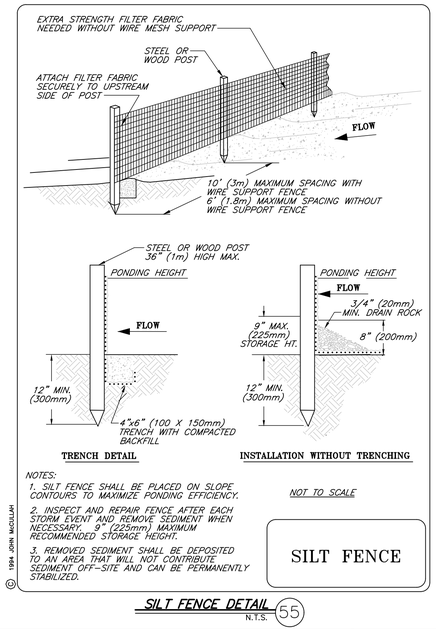
N.T.S.

CATCH BASIN CHECK DAM (54)



N.T.S.

SILT FENCE DETAIL (55)



N.T.S.

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DIAL TOLL FREE 811
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCHMARK NO.
LOCATION:

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PREPARED BY:
LAND DEVELOPMENT DESIGN COMPANY, LLC
425 E. Arrow Highway, #364
Glendora, CA 91740
(909) 930-1466
PLANNING • CIVIL • SURVEYING
KEVIN J. RICHER
RCE: 43714 LIC. EXP. 03/31/27
10/9/26
DATE

REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
CIVIL
STATE OF CALIFORNIA

DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

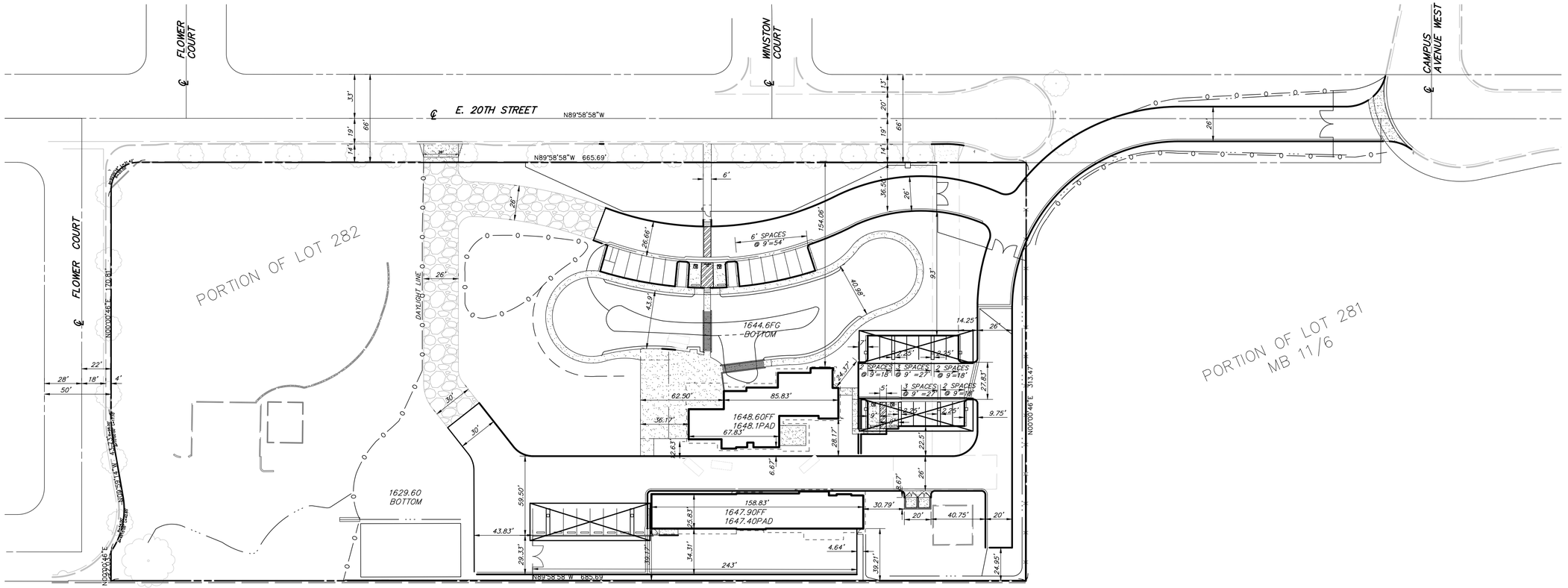
APPROVED BY:
R.C.E. EXP. DATE DATE
RECOMMENDED BY: ENGINEERING STAFF
RECOMMENDED BY: LAND DEVELOPMENT TRANSPORTATION

CITY OF UPLAND

EROSION CONTROL PLAN

400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 5 OF 7 SHEETS
DRAWING NO. GP 26-02



DIGALERT
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SCALE: 1"=40'

6773

PLAN NO.
PROJECT NO.

BENCHMARK NO.
LOCATION:

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PREPARED BY:
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425 E. Arrow Highway, #364
Glendora, CA 91740
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KEVIN J. RICHER
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LIC. EXP. 03/31/27
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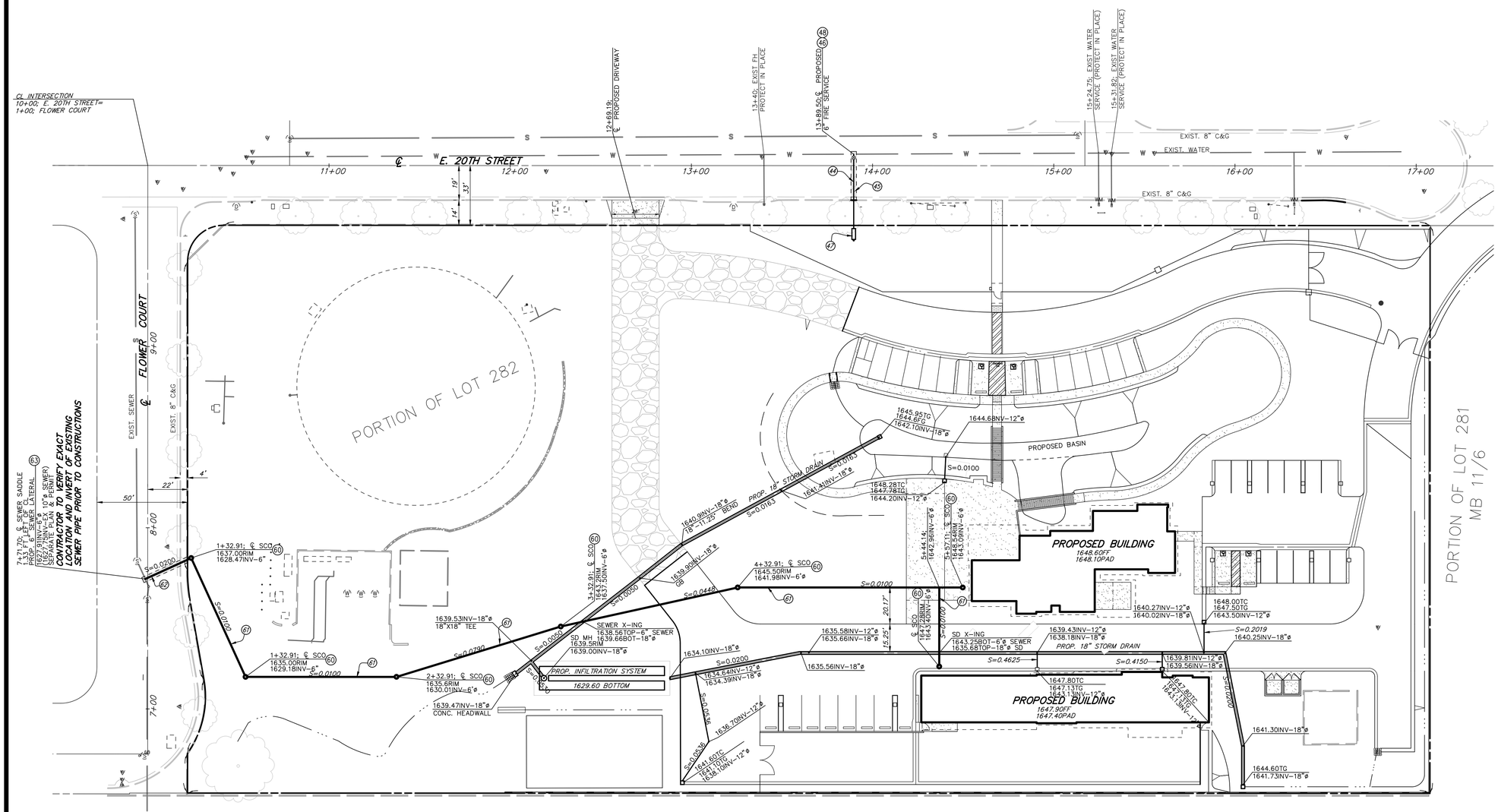
REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
CIVIL
STATE OF CALIFORNIA

DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY:
R.C.E. EXP. DATE DATE
RECOMMENDED BY: ENGINEERING STAFF
RECOMMENDED BY: LAND DEVELOPMENT TRANSPORTATION

CITY OF UPLAND
HORIZONTAL CONTROL PLAN
400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. SP
SHEET 6 OF 7 SHEETS
DRAWING NO. GP 26-02



WATER & SEWER GENERAL NOTES

1. ALL WORK AND MATERIAL SHALL CONFORM TO THE HIGHER STANDARD IN EITHER "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER MAINS AND APPURTENANCES, APRIL 2011" ON FILE AT THE PUBLIC WORKS DEPARTMENT, CITY OF UPLAND, OR "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST ISSUE AND AMENDMENTS, KNOWN AS THE "GREEN BOOK."
2. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL EXISTING FACILITIES AND IMPROVEMENTS WHETHER OR NOT SHOWN ON THESE PLANS. THE FACILITIES AND IMPROVEMENTS ARE BELIEVED TO BE CORRECTLY SHOWN BUT THE CONTRACTOR IS REQUIRED TO SATISFY HIMSELF AS TO THE COMPLETENESS AND ACCURACY OF THE LOCATIONS.
3. SAN ANTONIO WATER COMPANY, 139 N. EUCLID AVENUE, UPLAND, (909) 982-4107, MAY HAVE WATER LINES IN THIS AREA. CONTACT THEM FOR LOCATION, SIZE, AND DEPTH OF LINES, AND OTHER PERTINENT INFORMATION.
4. QUANTITIES SHOWN ON THE PLANS ARE ESTIMATED. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF QUANTITIES BEFORE BIDDING ON ANY ITEM.
5. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL SAFETY, BEFORE STARTING THE EXCAVATION OF ANY TRENCH FIVE FEET OR MORE IN DEPTH. SHORING, BRACING, SLOPING AND ALL OTHER PROVISIONS FOR WORKER PROTECTION SHALL CONFORM TO THE PROVISIONS CONTAINED IN ARTICLE 6 OF THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS, EFFECTIVE AUGUST 8, 1965, AND AS AMENDED JULY 27, 1973. IF VARIATION FROM THESE STANDARDS IS DESIRED, A DETAILED PLAN SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER AND SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR APPROVAL.
6. ALL WATER AND SEWER MAINS SHALL MEET THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH REQUIREMENTS FOR THE SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER.
7. THE CONTRACTOR IS REQUIRED TO REPAIR THE EXISTING PAVEMENT WHICH IS REMOVED OR DAMAGED BY HIS OPERATIONS IN ACCORDANCE WITH STANDARD DRAWING ORDINANCE NO. 1841 AND CU-Z-3 UNLESS ARRANGEMENTS ARE MADE WHICH COORDINATE STREET PAVING IN A MANNER ACCEPTABLE TO AND APPROVED BY THE PUBLIC WORKS DIRECTOR.
8. BEFORE CONNECTING TO THE CITY WATER SYSTEM, THE DEVELOPER MUST MEET THE REQUIREMENTS OF SECTION 13.12.130 OF THE UPLAND MUNICIPAL CODE RELATING TO THE TRANSFER OF WATER STOCK TO THE CITY OF UPLAND.
9. SERVICE LATERALS ARE TO BE PLACED AT THE CENTER THIRD OF THE LOT UNLESS OTHERWISE APPROVED BY THE CITY OF UPLAND.
10. SERVICE LATERALS ARE TO BE INSTALLED PER STANDARD DRAWING W.01 OR W.03, ON FILE AT THE CITY OF UPLAND WATER DEPARTMENT.
11. FIRE HYDRANTS SHALL BE INSTALLED PER STANDARD DRAWING W.05 ON FILE AT THE CITY OF UPLAND WATER DEPARTMENT.
12. CONNECTIONS TO EXISTING WATER MAINS SHALL BE BY "HOT TAP."
13. MINIMUM COVER OF WATER LINES SHALL BE AS FOLLOWS:

DIAMETER OF PIPE	MINIMUM COVER
2"	24"
4"	30"
6"	36"
8"	42"
10"	48"
12"	48"
14"	52"

14. SADDLE CONNECTIONS ARE NOT PERMITTED TO THE SEWER MAIN. NEW CONNECTIONS REQUIRE A "TEE" OR "WYE" SECTION TO BE PLACED.
15. ACCESS TO WATER VALVES SHALL BE MAINTAINED DURING ALL PHASES OF THE PROJECT. VALVE BOXES TO REMAIN FREE AND CLEAR OF DEBRIS.
16. SEPARATION BETWEEN WATER INSTALLATIONS AND OTHER UTILITIES SHALL BE MAINTAINED (PER WATER DIVISION STD. W.25).
17. PROVIDE TRAP AT FIRST MANHOLE DOWNSTREAM OF PROPOSED IMPROVEMENTS. (CHECKED DAILY BY INSPECTOR)
18. PROVIDE 3/4" PLYWOOD FALSE BOTTOMS FOR MANHOLES, BOTH NEW AND OLD, DURING CONSTRUCTION. (CHECKED DAILY BY INSPECTOR)
19. PROVIDE CLEANOUTS FOR EACH SEWER LATERAL 6 INCHES BACK OF SIDEWALK, ADJUST TO FINISH GRADE IN BOX MARKED SEWER.
20. REFERENCE PLANS USED: SS 9813C, WATER ATLAS-P3

CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY REQUIRES A SEPARATE ENCROACHMENT PERMIT

CONTRACTOR TO NOTIFY AFFECTED WATER USERS A MINIMUM OF 72 HOURS PRIOR TO SHUT DOWN OF WATER SERVICE IF APPLICABLE

CONSTRUCTION NOTES: WATER

(44) CONSTRUCT 8" CLM&C WATER PIPE.
(45) SAWCUT, REMOVE, AND REPLACE AC/BASE PER CITY OF UPLAND STANDARD CU-Z-3. TRENCH, BACKFILL AND PAVEMENT REPLACEMENT PER CITY OF UPLAND STANDARD W-23.
(46) CONSTRUCT 12"x8"TAPPING SLEEVE WITH 8" GATE VALVE PER CITY OF UPLAND STANDARD DRAWING W-6.
(47) CONSTRUCT 8" ABOVE GROUND FIRE SERVICE WITH 8" DOUBLE CHECK DETECTOR CHECK VALVE ASSEMBLY WITH 4 WAY FIRE DEPARTMENT CONNECTION PER CITY UPLAND STANDARD W-17.
(48) INSTALL 8" GATE VALVE AND VALVE BOX PER CITY OF UPLAND STANDARDS W-07 & W-09.

CONSTRUCTION NOTES: PRIVATE SEWER

(60) CONSTRUCT SEWER CLEANOUT PER CITY OF UPLAND STANDARD CU-Z-4.
(61) CONSTRUCT 6" PVC SDR35 SEWER PIPE.
(62) SAWCUT, REMOVE, AND REPLACE AC/BASE PER CITY OF UPLAND STANDARD CU-Z-3. TRENCH, BACKFILL AND PAVEMENT REPLACEMENT PER CITY OF UPLAND STANDARD W-23.
(63) CONSTRUCT SEWER SADDLE PER CITY OF UPLAND STANDARD CU-Z-4.

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SCALE: 1"=30'
30 0 30 60 90

6773

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10/9/26 DATE

REGISTERED PROFESSIONAL ENGINEER KEVIN J. RICHER No. 43714 CIVIL STATE OF CALIFORNIA

DRAWN BY: RAS
DESIGNED BY: KJR
CHECKED BY: KJR
RECOMMENDED BY:

APPROVED BY: _____ DATE
R.C.E. EXP. DATE
RECOMMENDED BY: _____ ENGINEERING STAFF
RECOMMENDED BY: _____ LAND DEVELOPMENT TRANSPORTATION

CITY OF UPLAND

UTILITY PLAN

400 E. 20TH STREET
UPLAND, CA 91784

PROJECT NO. DPR-24-08 SP
PLAN NO. SHEET 7 OF 7 SHEETS
DRAWING NO. GP 26-02