

IMPROVEMENT PLANS FOR: 1505 YORK DRIVE COUNTY OF SAN DIEGO TRACT NO. 5443 RPL3

ENGINEER'S GENERAL NOTES

- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR HAS SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL SLOPES, STREETS, UTILITIES, AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK.
- THE CONTRACTOR SHALL VERIFY ALL STAKES FOR ACCURACY AGAINST APPROVED PLANS, PRIOR TO TRENCHING OR FORMING AND SHALL BEAR THE COST OF ALL REWORK THAT RESULTS FROM PROCEEDING USING INCORRECT STAKES THAT ARE NOT VALIDATED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT MIGHT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS (GRAVEL BAGS, HAY BALES, TEMPORARY DESILTING BASINS, DIKES, SHORING, ETC.) UNTIL SUCH TIME THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY THE OWNER.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. BEFORE EXCAVATING FOR THIS PROJECT, THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND UTILITIES AFFECTING THE WORK, WHETHER SHOWN ON THE PLANS OR NOT. SPECIFIC ATTENTION SHALL BE MADE IN AREAS WHERE THE PROPOSED IMPROVEMENTS MEET EXISTING. CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK OF ANY DEVIATIONS PRIOR TO ORDERING MATERIALS FOR THE PROJECT, AND ALLOW SUFFICIENT TIME FOR REVISION TO THESE PLANS IF AS-BUILT LOCATION OF EXISTING UTILITIES REQUIRE CHANGES TO THE DESIGN.
- CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING ABOVE GROUND AND UNDERGROUND IMPROVEMENTS SHOWN HEREON AS WELL AS EXISTING UTILITIES NOT SHOWN HEREON. CONTRACTOR SHALL REPAIR OR REPLACE ITEMS REQUIRED TO REMAIN IN PLACE WHICH ARE DAMAGED, DURING THE COMPLETION OF THE WORK, TO THE SATISFACTION OF THE APPROPRIATE AGENCY.
- WHERE TRENCHES ARE ADJACENT TO FUTURE BUILDING SITES, A LICENSED SOILS ENGINEER SHALL BE RETAINED BY THE OWNER TO COMPLETE NECESSARY TESTING TO CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED IN THE PRELIMINARY SOILS REPORT.
- THESE PLANS SHOW THE MINIMUM IMPROVEMENT REQUIRED BY THE ADDITIONAL AUTHORITY IN ORDER TO OBTAIN PROJECT APPROVAL. FIELD CONDITIONS MAY REQUIRE ADDITIONAL IMPROVEMENTS. THE COST OF ANY ADDITIONAL IMPROVEMENTS SHALL BE BORNE BY THE CONTRACTOR. ANY ADDITIONAL TESTING BY THE SOILS ENGINEER OR OTHER PROFESSIONALS SHALL BE COMPLETED AT THE CONTRACTOR EXPENSE.
- PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION, WHICHEVER OCCURS FIRST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK IN WRITING, WHENEVER THESE PLANS SEEM UNCLEAR.
- THE GENERAL CONTRACTOR IS REQUIRED TO KEEP AND MAINTAIN A SIGNED SET OF THESE PLANS ONSITE AT ALL TIMES FOR USE BY THE ENGINEER OF WORK, SOILS ENGINEER AND THE CITY INSPECTOR. THE GENERAL CONTRACTOR'S SUPERINTENDANT IS REQUIRED TO UPDATE SAID PLANS WITH AS-BUILT ON A DAILY BASIS AS WORK PROGRESSES. SAID PLANS SHALL BE CERTIFIED BY THE SUPERINTENDANT AS ACCURATE AND COMPLETE UPON COMPLETION OF THE PROJECT, AND BECOME THE PROPERTY OF THE ENGINEER OF WORK.
- THE SOILS REPORT AND ALL THE SUPPLEMENTS THEREOF ARE INCORPORATED INTO AND MADE A PART OF THIS PLAN. ALL CONSTRUCTION SHALL CONFORM WITH AND BE SUBJECT TO ANY TESTING OR INSPECTION REQUIREMENTS IN THE REPORT.
- CONTRACTOR SHALL INSTALL THRUST BLOCKS AT ALL ANGLE POINTS AND TEES IN WATER SYSTEMS PURSUANT TO THE APPROPRIATE WATER DISTRICT STANDARD.
- CONTRACTOR SHALL SUBMIT AN AS-BUILT PLAN INDICATING ALL STREET LIGHT CONDUIT RUNS, ACCESS POINTS, HAND HOLES AND SERVICE POINTS PRIOR TO ENERGIZING THE SYSTEM.
- STORM DRAIN PROFILES SHOW A GRAPHICAL REPRESENTATION OF THE CALCULATED HGL DURING THE DESIGN STORM, AS REQUIRED BY THE COUNTY. THE CALCULATED HGL CAN BE FOUND IN THE APPROVED STORM DRAINAGE REPORT ON FILE AT THE OFFICE OF THE COUNTY ENGINEER. ENGINEER IS NOT RESPONSIBLE FOR USE OF THE HGL SHOWN HEREON, BY OTHERS, WHEN MAKING ADDITIONAL CONNECTIONS OR REALIGNING THE SYSTEM. CHANGES TO THE SYSTEM, REQUIRE APPROVAL OF A REGISTERED ENGINEER RESPONSIBLE FOR THE REVISIONS.

SPECIAL PAVING NOTE:

- ASPHALT CONCRETE SURFACING MATERIAL SHALL BE HAND-RAKED AND COMPACTED TO FORM SMOOTH TAPERED CONNECTIONS ALONG ALL EDGES INCLUDING THOSE EDGES ADJACENT TO SOIL. THE EDGES OF ASPHALT CONCRETE SHALL BE HAND-RAKED AT 45 DEGREES OR FLATTER, SO AS TO PROVIDE A SMOOTH TRANSITION NEXT TO EXISTING SOIL, INCLUDING THOSE AREAS SCHEDULED FOR SHOULDER BACKING. THE ABOVE SHALL BE DONE TO THE SATISFACTION OF THE DIRECT OF PUBLIC WORKS.

CITY OF VISTA CONSTRUCTION PERMITS

- CONTRACTOR SHALL OBTAIN A CITY OF VISTA-BSD CONSTRUCTION PERMIT TO PERFORM ANY SEWER IMPROVEMENT WORK SHOWN ON THESE IMPROVEMENT PLANS.
- CONTRACTOR SHALL CONTACT THE CITY OF VISTA-BSD ENGINEERING INSPECTION DEPARTMENT TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE AT LEAST 24-HRS PRIOR TO COMMENCING THE WORK. (1.760.639-6113 24-HRS).

NOTE:
CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION AND PROTECT ALL FACILITIES DURING CONSTRUCTION.

GENERAL NOTES

- A PERMIT SHALL BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE STREET RIGHT-OF-WAY THEN THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT FROM COUNTY TRAFFIC ENGINEERING SECTION THREE (3) WEEKS TO CONSTRUCTION BY CALLING (858) 694-3863.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARDS AND AS APPROVED BY THE MATERIALS LABORATORY.
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS AND ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS/HER WORK WITH COMPANY REPRESENTATIVES. NOTICE: ALL ELECTRICAL AND GAS SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS." FOR LOCATIONS OF ELECTRICAL CABLES AND GAS PIPING AND APPURTENANCES CONTACT THE SAN DIEGO GAS AND ELECTRIC COMPANY. TELEPHONE: (619) 232-4252
- THE CONTRACTOR SHALL NOTIFY AT&T PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS/HER WORK WITH COMPANY REPRESENTATIVES. NOTICE: ALL TELEPHONE SERVICES WITHIN THIS PROJECT BOUNDARY ARE "UNDERGROUND INSTALLATIONS" FOR LOCATION OF CABLES AND APPURTENANCES CONTACT AT&T. TELEPHONE: 1-800-422-4133
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS, AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- ALL TELEVISION SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS." FOR LOCATION OF CABLES AND APPURTENANCES CONTACT COX CABLE. TELEPHONE: (760)599-6063
- CONSTRUCT A PUBLIC STREET LIGHT SYSTEM CONFORMING TO SAN DIEGO COUNTY STANDARDS AND STREET LIGHT SPECIFICATIONS. POWER SOURCES AND RUNS SHALL BE SHOWN AS "AS-BUILT" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.
- ALL SIGNS SHALL BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
- ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING SHALL BE DONE BY THE CONTRACTOR.
- ALL CUT AND FILL SLOPES OVER THREE FEET (3') CREATED BY GRADING FOR STREETS AND DRIVEWAYS SHALL BE HYDROSEEDED WITH SAN DIEGO COUNTY APPROVED HYDROSEED MIXTURE. HYDROSEEDED SLOPES SHALL BE IRRIGATED BY WATER TRUCK UNTIL THE MIXTURE GERMINATES AND GROWTH IS ESTABLISHED.
- ASPHALT CONCRETE SURFACING MATERIAL SHALL BE HAND-RAKED AND COMPACTED TO FORM SMOOTH TAPERED CONNECTIONS ALONG ALL EDGES INCLUDING THOSE EDGES ADJACENT TO SOIL. THE EDGES OF ASPHALT CONCRETE SHALL BE HAND-RAKED AT 45 DEGREES OR FLATTER SO AS TO PROVIDE A SMOOTH TRANSITION NEXT TO EXISTING SOIL, INCLUDING THOSE AREAS SCHEDULED FOR SHOULDER BACKING. THE ABOVE SHALL BE DONE TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- CONTRACTOR SHALL APPLY FOR A TRAFFIC CONTROL PERMIT TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. NO WORK SHALL COMMENCE UNTIL ISSUANCE OF SAID PERMIT. FOR INFORMATION CALL (858) 694-3863. THE TRAFFIC CONTROL PERMIT SHALL REQUIRE SPECIFICATIONS FOR THE INFORMATIONAL SIGNS.
- STREET IMPROVEMENTS AND DRAINAGE STRUCTURES SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND COUNTY OF SAN DIEGO SPECIAL PROVISIONS AND SPECIFICATIONS FOR THE IMPROVEMENT OF NEW STREETS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL SURVEY CONTROL MONUMENTS, WHETHER SHOWN ON THESE PLANS OR NOT, WITHIN THE PROJECT AREA. ALL SURVEY MONUMENTS, WHETHER FOR HORIZONTAL OR VERTICAL CONTROL, THAT WILL OR COULD BE DISTURBED OR REMOVED BY THE CONTRACTOR, OR HIS EMPLOYEES, AGENTS, SUBCONTRACTORS, CONSULTANT OR LICENSEES, SHALL BE LOCATED PRIOR TO BEING DISTURBED OR REMOVED AND REPLACED OR RESET, IN ACCORDANCE WITH THE CALIFORNIA BUSINESS & PROFESSIONS CODE SECTION 877(b), AT THE CONTRACTOR'S SOLE EXPENSE, UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. IN ADDITION, A RECORD OF SURVEY OR CORNER RECORD, AS APPLICABLE, SHALL BE FILED AND/OR RECORDED, IN ACCORDANCE WITH THE PROVISIONS OR SAID CODE.

NOTICE:

THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND ANY AMENDMENTS THERETO.

CITY OF VISTA	VISTA IRRIGATION DISTRICT.	"AS BUILT" (BSD)	APPROVED CHANGES (BUENA SANITATION DISTRICT)
APPROVED BY: _____ DATE: _____ CITY ENGINEER LD16-018, DWG-4544	APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WATER TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE.	REVIEWED BY: _____ SANITATION ENGINEER _____ DATE _____	NO. _____ DESCRIPTION: _____ APPROVED BY: _____ DATE: _____
BSD AS-BUILTS	DISTRICT ENGINEER _____ RCE _____ DATE _____ APPROVAL VALID FOR (2) YEARS FROM DATE.	INSPECTOR _____ DATE _____	APPROVED CHANGES
REVIEWED BY: _____ DATE: _____ INSPECTION	VISTA FIRE PROTECTION DISTRICT	BUENA SANITATION DISTRICT	DESCRIPTION: _____ APPROVED BY: _____ VID COUNTY
REVIEWED BY: _____ DATE: _____ SANITATION	RECORD PLAN	SEWER BASIN NO. _____	DESCRIPTION: <u>COUNTY OF SAN DIEGO MONUMENT "ES 0263", A BRASS DISK IN CONCRETE MONUMENT</u> LOCATION: <u>NORTHEAST OF THE INTERSECTION OF SOUTH SANTA FE AVE. AND BUENA CREEK ROAD</u>
SIGNED BY: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED RCE EXP DATE	RECORD FROM: <u>COUNTY OF SAN DIEGO</u> ELEVATION: <u>445.398</u> DATUM: <u>NGVD 29</u>

LATEST REVISION DATE: 12/7/2017

DECLARATION OF RESPONSIBLE CHARGE

I HERBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSION CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. IN ASSUMING RESPONSIBLE CHARGE I ACCEPT FULL RESPONSIBILITY FOR THE ENTIRE DESIGN OF THIS PROJECT AS SHOWN ON THESE PLANS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF SAN DIEGO AND RAINBOW MUNICIPAL WATER DISTRICT, OR THEIR AGENTS, IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

BHA, INC.
5115 AVENIDA ENCINAS, SUITE "L"
CARLSBAD, CA 92008-4387
(760) 931-8700



BY: _____ DATE: _____
RONALD L. HOLLOWAY R.C.E. 29271
EXP. 3/31/19

LEGAL DESCRIPTION

PORTIONS OF LOTS 18 AND 19 OF KEW GARDENS, ACCORDING TO MAP NO. 2046, AS FILED ON THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 15, 1927 TOGETHER WITH A PORTION OF THE WESTERLY HALF OF CLARENCE DRIVE AS SHOWN ON SAID MAP NO. 2046. BEING IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA

OWNER/PERMITTEE

UDT DATED NOVEMBER 15, 1974
GARY OTTO VAN EIK AND KAREN VAN EIK, TRUSTEES AS OWNERS
GARY OTTO VAN EIK, TRUSTEE
841 QUAILS TRAIL
VISTA, CA 92081
(858) 453-1331

REFERENCE DRAWING NUMBERS

BSD D3615

ASSESSOR'S PARCEL NUMBERS:

184-012-12

SITE ADDRESS

1505 YORK DRIVE, VISTA, CA

HYDROLOGY/HYDRAULIC REPORT:

PREPARED BY: BHA INC.

SHEET INDEX

- TITLE SHEET
- NOTES AND DETAILS
- KEY MAP
- YORK DRIVE (PUBLIC ROAD)
- HAPPY DAZE LANE (PRIVATE ROAD)
- STORM DRAIN & SEWER LATERALS

NOTE:
REFER TO GRADING PLAN PDS2017-LDGMJ-30120 FOR EROSION CONTROL AND TC BMPS PLAN



UNDERGROUND SERVICE ALERT

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT TOLL FREE: 1 (800) 227-2600 TWO (2) WORKING DAYS BEFORE YOU DIG.

WORK TO BE DONE

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS, FOR IMPROVEMENT OF SUBDIVISION STREETS AND STANDARD REFERENCE DRAWINGS. THE WATER FACILITIES WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS DRAWINGS AND APPROVED MATERIALS LIST OF THE VISTA IRRIGATION DISTRICT.

LEGEND	WORK TO BE DONE	DWG.	QUANTITY
SURFACE IMPROVEMENTS			
	PROJECT BOUNDARY		
	RIGHT-OF-WAY		
	EXISTING CONTOURS		
	PROPOSED CONTOURS		
	EDGE OF PAVEMENT		
	LIMITS OF GRADING		
	CUT/FILL SLOPES		
	AC PAVEMENT... (STRUCTURAL SECTION PER GENERAL NOTE 2)		14,400 SF
	6" CONC. CURB & GUTTER.....	G-2	864 LF
	CURB RAMP.....	DS-21A	2 EA
	CURB RAMP.....	DS-21D TYPE 2	1 EA
	CONCRETE DRIVEWAY.....	G-14A	525 SF
	BROW DITCH TYPE B.....	D-75	613 LF
	STREET SIGN.....	DS-13	2 EA
	6" AC DIKE (TYPE A).....	G-5	100 LF
	GUARDRAIL.....	CALTRANS RSP 477L1	110 LF
STORM DRAIN			
	HDPE STORM DRAIN PIPE (12").....	D-60	253 LF
	RCP STORM DRAIN PIPE (24").....	D-60	523 LF
	RCP STORM DRAIN PIPE (30").....	D-60	321 LF
	TYPE A CLEAN OUT.....	D-9	4 EA
	TYPE B CURB INLET.....	D-2	1 EA
	BIORETENTION CATCH BASIN.....		5 EA
	RIP RAP ENERGY DISSIPATOR.....	D-40	16 CY
	AND HEADWALL PER PLAN	D-30	2 EA
	BIOFILTRATION RIP RAP (3'x5'x1.1' NO. 2 BACKING)		
	AC SPILLWAY.....	D-22	1 EA
SEWER			
	4" SEWER LATERAL ...SS-01, SS-03, SS-04		3 EA
	SEWER EASEMENT GATESWR-2A, B, C & D		1 EA
WATER ***			
	EXISTING WATER MAIN.....		
	8" WATER PVC MAIN (DR-14).5-2.....		207 LF
	4" WATER PVC MAIN (DR-14).5-2.....		75 LF
	WATER METER (1-1, 1-4).....		4 EA
	1" MANUAL AIR RELEASE VALVE (2-2).....		2 EA
	TYPE 1 2" BLOW-OFF ASSEMBLY (3-1).....		2 EA

GEOTECHNICAL ENGINEER'S DECLARATION:

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED RELATIVE TO GEOTECHNICAL ASPECTS OF THE PLANS AND HAVE BEEN FOUND TO BE IN CONFORMANCE WITH INTENTIONS OF THE FINDINGS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT TITLED, GEOTECHNICAL INVESTIGATION, PROPOSED 5-LOT SUBDIVISION, 1505 YORK DRIVE, SAN DIEGO COUNTY, DATED 1-11-17.

BY: _____ DATE: _____

VINJE & MIDDLETON ENGINEERING, INC.
2450 AUTO PARK WAY
ESCONDIDO, CA 92029
760-739-0343

AERIAL TOPOGRAPHY:

PREPARED BY TDWILL, INC.
5933 SEA LION PLACE, STE. 100 CARLSBAD, CA 92008
DATED 11/5/2004

I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED ON THE RESOLUTION FOR T.M. NO 5443 RPL3 AND THE STANDARD FOR PRIVATE ROADS.

BY: _____ DATE: _____

RONALD L. HOLLOWAY
RCE 29271 EXPIRES: 3/31/19

INSPECTION BY:

ENGINEER OF WORK
 COUNTY

SECURITY REQUIRED:

YES
 NO

THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANY WAY, REVIEWED FOR CLARITY ONLY.

BY: _____ DATE: _____
FOR WILLIAM P. MORGAN, COUNTY ENGINEER

OWNERS CERTIFICATION:

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS.

I THEREFORE AGREE THAT THE DIRECTOR OF PUBLIC WORKS MAY MAKE SUCH CHANGES, ALTERATIONS, OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR DETERMINES TO BE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS. PROVIDED, HOWEVER, SUCH CHANGES, ALTERATIONS, OR ADDITIONS SHALL NOT EXCEED 10 PERCENT (10%) OF THE ORIGINAL ESTIMATED COST OF THE IMPROVEMENTS WITHOUT THE WRITTEN CONSENT OF THE SURETY COMPANY.

I FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING COUNTY RIGHT-OF-WAY WITHIN 60 DAYS AFTER ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED, IRRESPECTIVE AND INDEPENDENT OF ANY OTHER WORK ASSOCIATED WITH THIS PROJECT OR UNDER MY CONTROL.

BY: _____ DATE: _____

PDS ENVIRONMENTAL REVIEW

APPROVED FOR COMPLIANCE WITH ENVIRONMENTAL REVIEW

APPROVED BY: _____
DATE: _____

PERMITS

WDID NO. _____ SWPPP RISK: _____
LANDSCAPE NO. _____ XXXXX-LP-XX-XXX
PDS2016-TM-5443TE
TENTATIVE MAP NO. TM 5443 RPL3

RECORD PLANS

RONALD L. HOLLOWAY DATE _____
RCE 29271 EXP. 3-31-19

BENCH MARK

DESCRIPTION: COUNTY OF SAN DIEGO MONUMENT "ES 0263", A BRASS DISK IN CONCRETE MONUMENT
LOCATION: NORTHEAST OF THE INTERSECTION OF SOUTH SANTA FE AVE. AND BUENA CREEK ROAD
RECORD FROM: COUNTY OF SAN DIEGO
ELEVATION: 445.398 DATUM: NGVD 29

* BMP'S APPROVED AS PART OF STORMWATER QUALITY MANAGEMENT PLAN (SWQMP) REVISED _____ ON FILE DPW. AND CHANGES TO THE ABOVE BMP'S WILL REQUIRE SWQMP REVISION AND PLAN CHANGE APPROVALS.

STORMWATER STRUCTURAL POLLUTANT CONTROL & HYDROMODIFICATION CONTROL BMP'S					
DESCRIPTION/TYPE	SHEET	S-BMP ID#	MAINTENANCE CATEGORY	MAINTENANCE AGREEMENT REC. DOC. #	REVISIONS
BIOFILTRATION BASIN	3,4	BMP 1 - 5	SECOND		

SHEET 1	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
IMPROVEMENT PLAN FOR:		
PRELIMINARY		
TITLE SHEET TM 5443 RPL3		
CALIFORNIA COORDINATE INDEX 370-1701		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK DATE _____ RONALD L. HOLLOWAY R.C.E. 29271	
BY: _____ DATE: _____	PDS2017-LDMJIP-50036	

SEWER NOTES

- ALL SEWER IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRS), AND THE CITY OF VISTA STANDARD DRAWINGS (COVSD), ALL AS LAST AMENDED. WHERE CONFLICTS ARISE, THE MORE LOCAL SHALL PREVAIL.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ANY EXCAVATION WITHIN RIGHT-OF-WAY.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DEPARTMENT 48 HOURS IN ADVANCE OF BEGINNING WORK TO ARRANGE FOR INSPECTION (24-HOUR PHONE: (760)-639-6113).
- TRENCH WIDTH AND TRENCHING SHALL BE PER COVSD NO. SWR-11 OR AS SHOWN ON THE PLANS.
- PIPE BEDDING AND TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH COVSD NO. SWR-11. FILL AREAS MUST BE COMPACTED TO MINIMUM 90 PERCENT RELATIVE COMPACTION PRIOR TO PIPE INSTALLATION.
- ALL NEW SEWER MAINS SHALL BE A MINIMUM OF 8-INCH (MIN) PVC (SDR 35), GREEN, WITH 7 (SEVEN) FEET MINIMUM COVER PER PLANS. CURVES OR RUNS OVER 300 FEET BETWEEN APPROVED MANHOLES REQUIRE SPECIAL DISTRICT APPROVAL IN WRITING.
- EACH LOT, AND/OR CONDOMINIUM SPACE SHALL BE SERVED BY A SEPARATE PRIVATE 4-INCH PVC (SDR 35) SEWER LATERAL SET AT A MINIMUM GRADE OF TWO PERCENT (2%), AND WITH A MINIMUM INVERT DEPTH OF FIVE AND A HALF (5 1/2) FEET BELOW GRADE AT THE EDGE OF THE PUBLIC RIGHT OF WAY PER COVSD NO. SWR-17. EACH LATERAL SHALL INCLUDE A 4-INCH CLEANOUT WITHIN A ROUND CONCRETE UTILITY BOX AND LID MARKED "SEWER" AS CLOSE AS POSSIBLE TO THE RIGHT-OF-WAY PER COVSD NO. SWR-25. METAL LID REQUIRED IN TRAVELED WAY. CONNECTION OF A PRIVATE LATERAL INTO AN EXISTING PUBLIC SEWER MAIN SHALL USE A STANDARD PVC WYE GASKETED SADDLE SAW CUT OR BORED INTO THE MAIN IN AS APPROVED MANNER. NO LATERAL SHALL DISCHARGE DIRECTLY INTO A PUBLIC MANHOLE. AN INSCRIBED "S" SHALL BE MARKED ON THE CURB DIRECTLY ABOVE LOCATION OF THE SEWER LATERAL. ANY PRIVATE SEWER LATERALS 6-INCH OR LARGER SHALL REQUIRE A MANHOLE AT THE MAIN LINE CONNECTION.
- THE INSTALLATION OF PCC SEWER MANHOLES SHALL BE PER COVSD NO. SWR-3 OR SWR-4. PRECAST MANHOLE BASES ARE ACCEPTABLE FOR USE WITH 8-THROUGH 12-INCH COLLECTOR SYSTEMS. INSTALLATION OF MANHOLE BASE AROUND EXISTING SEWER PIPE IS NOT PERMITTED.
- ADJUSTMENT, RECONSTRUCTION, REHABILITATION, OR REPLACEMENT OF SEWER MANHOLES SHALL COMPLY WITH COVSD NO. SWR-33. THE CITY/DISTRICT ENGINEER OR HIS REPRESENTATIVE UPON INSPECTION SHALL DETERMINE THE EXTENT OR TYPE OF RECONSTRUCTION, REHABILITATION, OR REPLACEMENT NEEDED TO BRING THE MANHOLE STRUCTURE TO CURRENT STANDARDS, AND IF TESTING IS REQUIRED.
- AFTER COMPLETION OF PIPE LAYING AND THE INSTALLATION OF ALL SEWER STRUCTURES, AND BEFORE PAVING, ALL MAIN LINE SEWERS, PRIVATE SEWER SERVICE LATERALS, AND STRUCTURES SHALL BE TESTED IN THE PRESENCE OF THE CITY/DISTRICT ENGINEER OR HIS REPRESENTATIVE. THE SEWER MAINS SHALL FIRST BE WAYNE BALLED, MANDRELED, AIR TESTED, AND THEN TELEVIEWED. MANHOLES SHALL BE VACUUM TESTED IN COMPLIANCE WITH ASTM C 1244-93.
- THE INTERNAL CONDITION OF ALL SEWER FACILITIES WITHIN THE RIGHT-OF-WAY SHALL BE ASSESSED BY CLOSED-CIRCUIT TELEVIEWED (CCTV) AS FOLLOWS:
 - PRE-CONSTRUCTION: NO GRADING OR TRENCHING WILL BE PERMITTED BEFORE CCTV INSPECTION. CCTV INSPECTION PERFORMED ON _____.
 - POST-TELEVIEWING: CCTV INSPECTION OF ALL NEW AND EXISTING SEWER IMPROVEMENTS IS REQUIRED BEFORE FINAL PAVING OR ACCEPTANCE OF SEWER MAINS, LATERALS, AND APPURTENANCES.
 - CCTV INSPECTION SCHEDULE AND VIDEO TAPE REVIEW FEES: CONTRACTOR IS REQUIRED TO CONTACT THE SANITATION STAFF AT (760) 809-6146, OR 726-1340, EXTENSION 1374 OR -1372 TO SCHEDULE THE TELEVISION INSPECTION AND PAY APPLICABLE FEES.
 - SUBMITTAL REQUIREMENTS (MIN.): THE TV INSPECTION SHALL BE PERFORMED ONLY BY A CITY-APPROVED FIRM WITH NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES (NASSCO) CERTIFIED INSPECTORS. THE CONTRACTOR SHALL SUBMIT TO THE CITY/DISTRICT ENGINEER COLOR CCTV ON CD-ROM WITH VERBAL DESCRIPTION, WRITTEN MANUSCRIPT OF THE PERTINENT DIALOGUE, A DIGITAL FILE OF THE TV INSPECTION DATABASE, AND STILL PICTURES. MINIMUM INFORMATION SHALL INCLUDE: PROJECT NAME, DRAWING NO., DATE & TIME, LINE ID AND LOCATION, PIPE SIZE AND MATERIAL, FOOTAGE, LATERAL LOCATION FROM THE UPSTREAM MANHOLE, AND ANY DEFECTS OR PROBLEM AREAS. VIDEO AND REPORT SHALL BE PERFORMED USING NASSCO PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) STANDARDS AT THE EXPENSE OF THE CONTRACTOR. FINAL ACCEPTANCE OF THE IMPROVEMENTS IS SUBJECT TO DISTRICT REVIEW AND APPROVAL.
- MANHOLE COVERS FOR PRIVATE SEWER SYSTEM SHALL HAVE "PRIVATE SEWER" CAST INTO THE LID. PUBLIC COVERS SHALL HAVE "CITY OF VISTA" (OR "BUENA SANITATION DISTRICT") CAST INTO THE LID. MANHOLE COVSD NO. SWR-29 AND SWR-30.
- DETAILED RECORD DRAWINGS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND SUBMITTED TO THE ENGINEER OF WORK. "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY THE CITY/DISTRICT INSPECTOR PRIOR TO ACCEPTANCE OF THE PUBLIC SEWER SYSTEM. FINAL LOCATION AND ELEVATION OF SEWER MAIN, MANHOLES, LATERALS, AND CLEANOUTS SHALL BE SHOWN ON THE RECORD DRAWING AND THE "AS-BUILT" DRAWINGS.
- ENTRY TO MANHOLES IS PERMIT-REQUIRED CONFINED SPACE ENTRY (REF. SEC. 5156, 5157, AND 5158 OF CALIFORNIA OSHA TITLE 8 CFR GISO). SAID PERMIT AND PLAN MUST BE ISSUED BEFORE EACH ENTRY, MAINTAINED ON-SITE AND PRESENTED TO CITY/DISTRICT ENGINEER UPON REQUEST. NON-COMPLIANCE MAY RESULT IN DEATH, FINES, OR IMPRISONMENT.
- AS EARLY AS POSSIBLE, THE CONTRACTOR SHALL SUBMIT A SANITARY SEWER OVERFLOW PREVENTION AND RESPONSE (SSOP&R) PLAN. PLAN MUST BE APPROVED BY THE CITY/DISTRICT ENGINEER BEFORE ANY WORK THAT MAY AFFECT ACTIVE PRIVATE OR PUBLIC SEWER FLOW. SHOULD A SPILL OCCUR, THE CONTRACTOR SHALL CONTAIN THE SEWAGE FROM ENTERING WATER SURFACE AREAS AND IMMEDIATELY CALL THE DISTRICT WASTEWATER DEPARTMENT AND INSPECTOR FOR INSPECTION, RESPONSE, AND REPORTING.

CITY OF VISTA/BUENA SANITATION DISTRICT
(7:30 AM TO 3:30 PM) (760) 726-1340
RANCHO BUENA VISTA DISPATCH
(AFTER WORKING HOURS) (800) 800-9456

THE CONTRACTOR IS LIABLE FOR ANY AND ALL COSTS INCURRED BY THE CITY/DISTRICT FOR RESPONSE AND REPORTING, IN ADDITION TO ANY FINES AND PENALTIES THAT MAY APPLY (REF. COV/BSO SSOP&R, RWQCB 96-04).

- THE DISTRICT RESERVES THE RIGHT TO APPROVE OR REQUIRE ANY NECESSARY CHANGES TO ENSURE THAT ALL ACTIVE MANHOLES ARE ACCESSIBLE THROUGH ALL PHASES OF CONSTRUCTION, AND THAT ALL FINISHED MANHOLES ARE LEGALLY AND PHYSICALLY ACCESSIBLE TO DISTRICT STANDARDS. [MIN. ESMT. 15' WIDE W / MIN. 12" WIDE DRIVE LANE MEETING; MIN. 4" CL III AB. TO 10% GRADE, MIN. 2" A.C. OVER 6" CL II A.B. TO 20% WITH DRIVEWAY APRONS AND GATES PER COVSD SWR-21A THROUGH SWR-21D, SWR-22, AND SWR-23 AS REQUIRED].

ENGINEER STATEMENT: I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED PLANS AND THAT THE PLANS PROVIDE FOR MANHOLE ARE ACCESS BY IMPROVED AND RECORDED EASEMENT IN COMPLIANCE WITH SANITATION STANDARDS.

ENGINEER OF WORK RCE EXP DATE

VISTA IRRIGATION DISTRICT NOTES

- THE DISTRICT'S APPROVAL GIVEN HERE IS NOT AN APPROVAL TO BEGIN THE INSTALLATION OR CONSTRUCTION OF WATER FACILITIES. APPROVAL FOR THE INSTALLATION OR CONSTRUCTION OF THE WATER FACILITIES IS ONLY GIVEN AFTER PROPER APPLICATION AND/OR EXECUTION OF A CONSTRUCTION CONTRACT AND PAYMENT OF ALL APPLICABLE FEES TO THE DISTRICT. TO BE ACCEPTED THE APPLICATIONS AND/OR THE CONSTRUCTION CONTRACT MUST BE SIGNED BY THE GENERAL MANAGER.
- ANY WATER FACILITIES THAT WILL BE UNDER THE JURISDICTION OF THE DISTRICT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS SIGNED BY THE DISTRICT AND WITH THE DISTRICT'S CURRENT "STANDARD SPECIFICATIONS" APPROVED BY THE BOARD OF DIRECTORS AND POSTED ON THE VID WEBSITE AT WWW.VID-H2O.ORG. THE SIGNED "ORIGINAL" PLANS ON FILE AT THE DISTRICT OFFICE ARE THE ONLY PLANS RECOGNIZED BY THE DISTRICT AS "APPROVED." A SIGNED SET OF PLANS AND A COPY OF THE "STANDARD SPECIFICATIONS" MUST BE ON THE JOB SITE DURING CONSTRUCTION OR INSPECTION OF WATER FACILITIES MAY NOT BE RENDERED.
- PROPOSED CHANGES TO THE "APPROVED" PLANS MUST BE REVIEWED AND SIGNED BY THE DISTRICT PRIOR TO THE INSTALLATION OF SUCH CHANGES AND SHALL BE INCORPORATED INTO THE "ORIGINAL" PLANS. THE CONTRACTOR SHALL NOTIFY THE DISTRICT'S ENGINEERING DEPARTMENT OF ANY DISCREPANCIES BETWEEN THE APPROVED PLANS AND ACTUAL FIELD CONDITIONS.
- THE CONTRACTOR SHALL OBTAIN THE DISTRICT'S APPROVAL FOR THE INSTALLATION OF ANY OTHER UTILITY TO BE INSTALLED WITHIN ANY DISTRICT EASEMENT. THE APPROVAL MUST BE OBTAINED PRIOR TO INSTALLATION AND MUST BE INSPECTED BY THE DISTRICT'S INSPECTOR.
- BEFORE THE WORK IS ALLOWED TO BEGIN, THE CONTRACTOR SHALL CONTACT THE DISTRICT'S ENGINEERING DEPARTMENT AT (760) 597-3116 TO DETERMINE WHEN OR IF WORK CAN BEGIN AND TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S ENGINEERING INSPECTOR AT (760) 597-3126. INSPECTION REQUESTS SHALL BE MADE AT LEAST 24 HOURS IN ADVANCE.
- THE DISTRICT REQUIRES ALL NEW AND EXISTING WATER LINES TO HAVE 36 TO 42 INCHES OF FINAL COVER OR A MINIMUM OF 24 INCHES OF COVER FROM THE BOTTOM OF THE SUB-GRADE, WHICHEVER IS GREATER. THE 24-INCH COVER DOES NOT RELIEVE THE CONTRACTOR FROM LOCATING AND PROTECTING EXISTING UTILITIES DURING CONSTRUCTION. THE DISTRICT SHALL BE NOTIFIED WHEN STREET STRUCTURAL SECTIONS ARE DETERMINED BY THE APPROPRIATE ROAD AGENCY HAVING JURISDICTION OVER THE STREET. THE CONTRACTOR SHALL, AT HIS SOLE EXPENSE, COMPLY WITH THAT AGENCY'S REQUIREMENTS AND OBTAIN THE DISTRICT'S WRITTEN APPROVAL ON THE PLANS OF ANY COVER CHANGES BEFORE THE INSTALLATION OF THE WATER LINE OR BEFORE REMOVING EXISTING COVER.
- UNAUTHORIZED CONNECTIONS TO THE DISTRICT'S WATER SYSTEM FOR CONSTRUCTION WATER OR ANY OTHER PURPOSE IS STRICTLY FORBIDDEN AND ARE SUBJECT TO ENFORCEMENT UNDER THE DISTRICT'S RULES AND REGULATIONS. THE CONTRACTOR WILL BE CHARGED A MINIMUM FEE (REFER TO CURRENT FEE SCHEDULE) FOR EACH UNAUTHORIZED CONNECTION AS THE ESTIMATED AMOUNT OF WATER USED THROUGH ANY UNAUTHORIZED CONNECTION AND THE DISTRICT MAY CONFISCATE ANY HOSES, VALVES OR OTHER APPURTENANCES USED TO MAKE ANY UNAUTHORIZED CONNECTION.
- THESE PLANS ARE SUBJECT TO ADDITIONAL WATER NOTES CONTAINED IN THE "STANDARD SPECIFICATIONS". THOSE NOTES WILL ALSO BE DISPENSED TO THE CONTRACTOR AT THE REQUIRED PRECONSTRUCTION MEETING.
- PVC PIPE SHALL BE INSTALLED USING 5" DEFLECTION COUPLINGS (2-1/2" AT EACH BELL) TO FORM ARCS WITH RADII NO LESS THAN THE MINIMUM NOTED BELOW:

PIPE LENGTH USED	MINIMUM RADIUS
20'	229'
10'	115'

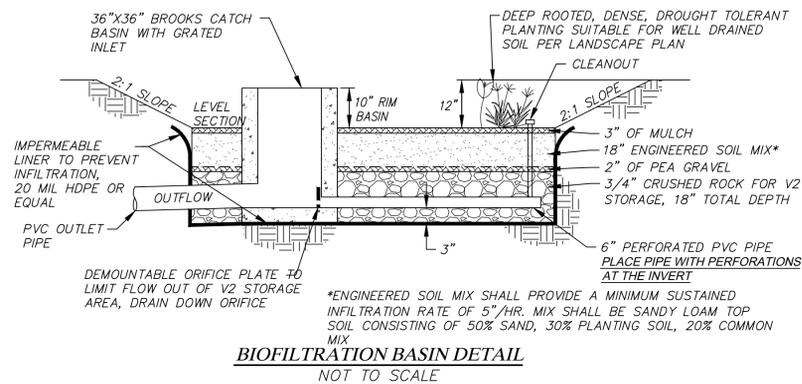
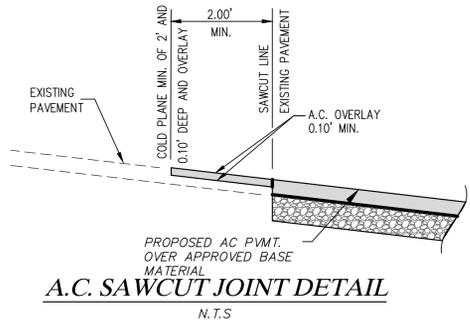
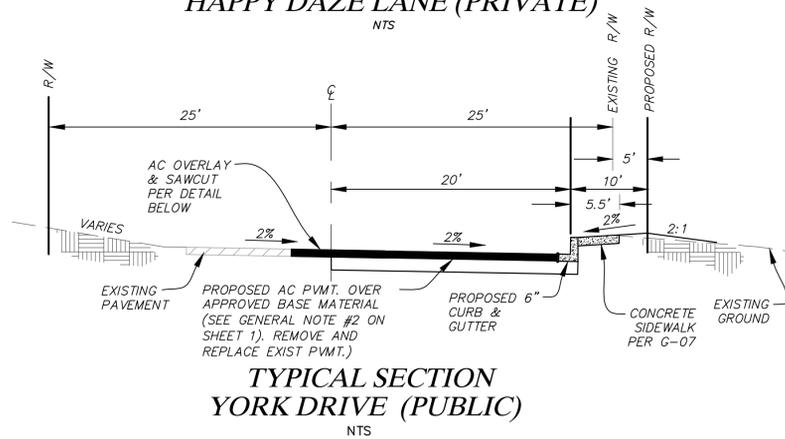
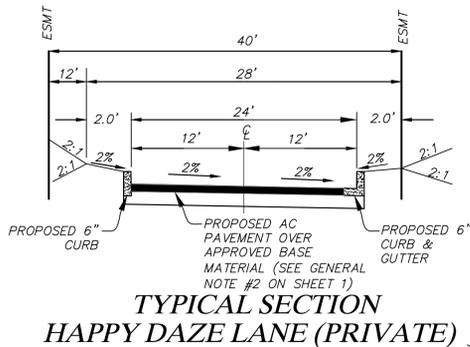
BMP STENCIL PLACEMENT NOTES:

- ALL STORM DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA SHALL HAVE A STENCIL OR TILE PLACED WITH PROHIBITIVE LANGUAGE (SUCH AS: "NO DUMPING - I LIVE DOWNSTREAM AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING).
- SIGNS AND PROHIBITIVE LANGUAGE AND/OR GRAPHICAL ICONS, WHICH PROHIBIT ILLEGAL DUMPING, MUST BE POSTED AT PUBLIC ACCESS POINTS ALONG CHANNELS AND CREEKS WITHIN THE PROJECT AREA.
- LEGIBILITY OF STENCILS, TILES AND SIGNS MUST BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH THE TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.

NOTICE: IN ORDER TO AVOID IMPACTS TO NESTING MIGRATORY BIRDS AND RAPTORS, WHICH ARE A SENSITIVE BIOLOGICAL RESOURCE PURSUANT TO CEQA, THE MBTA AND FISH AND WILDLIFE CODE, BREEDING SEASON AVOIDANCE SHALL BE IMPLEMENTED ON ALL PLANS. THERE SHALL BE NO BRUSHING, CLEARING AND/OR GRADING SUCH THAT NONE WILL BE ALLOWED DURING THE BREEDING SEASON OF MIGRATORY BIRDS OR RAPTORS, BETWEEN JANUARY 15 AND AUGUST 31. THE DIRECTOR OF PDS MAY WAIVE THIS CONDITION, THROUGH WRITTEN CONCURRENCE FROM THE US FISH AND WILDLIFE SERVICE AND THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, PROVIDED THAT NO NESTING OR BREEDING BIRDS ARE PRESENT WITHIN 300 FEET OF THE BRUSHING, CLEARING OR GRADING (500 FEET FOR RAPTORS) BASED ON A SURVEY CONDUCTED BY A COUNTY-APPROVED BIOLOGICAL CONSULTANT WITHIN SEVEN DAYS PRIOR TO THE PROPOSED START OF CLEARING/GRADING. IF NESTING BIRDS ARE PRESENT IN THE VICINITY, PRIOR TO GRANTING PERMISSION PDS AND THE WILDLIFE AGENCIES MAY REQUIRE AVOIDANCE MEASURES SUCH AS, BUT NOT LIMITED TO, STAKING AND POSTING AN AREA 300 FEET FROM THE NEST TO PROHIBIT ALL CLEARING, GRUBBING AND CONSTRUCTION WORK WITHIN THE PERIMETER UNTIL THE QUALIFIED BIOLOGIST DETERMINES THAT THE NESTS ARE NO LONGER OCCUPIED WITH WRITTEN NOTIFICATION TO THE APPROVAL OF THE DIRECTOR OF PDS.

HDPE PIPE NOTES

- PIPE SHALL BE BACKFILLED WITH CRUSHED ROCK IN ACCORDANCE WITH CITY OF DIEGO STANDARD DRAWING SDD-110, TYPE C ROCK ENVELOPE, INCLUDING APPROPRIATE FILTER FABRIC LINING.
- THE REMAINDER OF THE TRENCH SHALL BE BACKFILLED WITH THE SPECIFIED BACKFILL MATERIAL COMPACTED TO 90 PERCENT RELATIVE COMPACTION PER CALIFORNIA TEST METHOD 216, AS MODIFIED BY THE COUNTY OF SAN DIEGO OR ASTM D-1557, EXCEPT FOR THE PORTION IN THE PAVEMENT UPGRADE, WHICH SHALL BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION.
- PIPE WITH LESS THAN 2 FEET OF COVER UNDER HIGHWAY LOADING SHALL BE CONCRETE-ENCASED IN ACCORDANCE WITH THE CITY OF SAN DIEGO STANDARD DRAWING SDD-110. THE PORTION ABOVE THE ENCASEMENT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE PARAGRAPH ABOVE.
- MAXIMUM PIPE COVER SHALL NOT EXCEED THE AMOUNT SPECIFIED IN THE CURRENT CALTRANS DESIGN MANUAL.



APPROVED CHANGES (BUENA SANITATION DISTRICT)			
NO.	DESCRIPTION:	APPROVED BY:	DATE:
APPROVED CHANGES			
DESCRIPTION:	APPROVED BY:	DATE:	

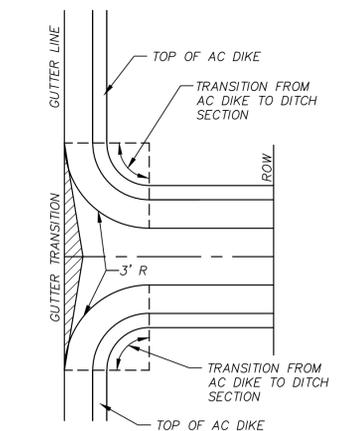
bha, inc.
land planning, civil engineering, surveying
5115 AVENIDA ENCINAS
SUITE "L"
CARLSBAD, CA. 92008-4387
(760) 931-8700

RECORD PLANS

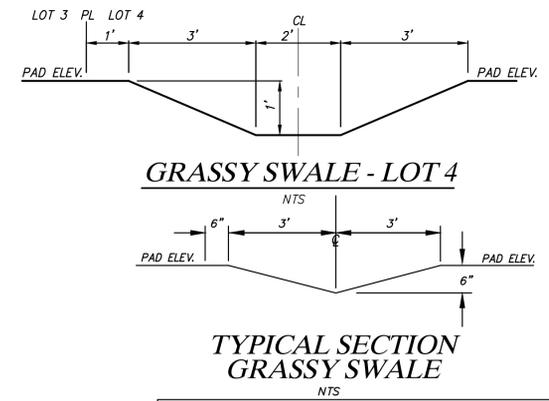
RONALD L. HOLLOWAY DATE
RCE 29271 EXP. 3-31-19

ABBREVIATIONS:

AC	ASPHALT CURB
BVC	BEGIN VERTICAL CURVE
C.O.	CLEANOUT
CDS	CUL DE SAC
CL	CENTERLINE
D/W	DRIVEWAY
EG	EXISTING GROUND
EP	EDGE PAVEMENT
EVC	END VERTICAL CURVE
FF	FINISHED FLOOR
HDL	HAPPY DAZE LANE
IE	INVERT ELEVATION
LVC	LENGTH VERTICAL CURVE
R/W	RIGHT OF WAY
SWR	SEWER
TG	TOP GRATE
TW	TOP WALL
WTR	WATER
()	EXISTING ELEVATION



MODIFIED SDRSD DWG D-22 ASPHALT CONCRETE SPILLWAY
NOT TO SCALE



TYPICAL SECTION GRASSY SWALE
NOT TO SCALE

I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED ON THE RESOLUTION FOR T.M. NO 5443 RPL3 AND THE STANDARD FOR PRIVATE ROADS.
BY: RONALD L. HOLLOWAY DATE: _____
RCE 29271 EXPIRES: 3/31/19
INSPECTION BY: _____ ENGINEER OF WORK
SECURITY REQUIRED: _____ COUNTY
SECURITY REQUIRED: _____ YES
SECURITY REQUIRED: _____ NO
THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANY WAY, REVIEWED FOR CLARITY ONLY.
BY: FOR WILLIAM P. MORGAN, COUNTY ENGINEER DATE: _____

SHEET 2	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
IMPROVEMENT PLAN FOR:		
PRELIMINARY		
CALIFORNIA COORDINATE INDEX 370-1701		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	DATE: _____	DATE: _____
BY: _____	DATE: _____	DATE: _____
PDS2017-LDMJIP-50036		DATE: _____

CONTRACTOR NOTE

CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

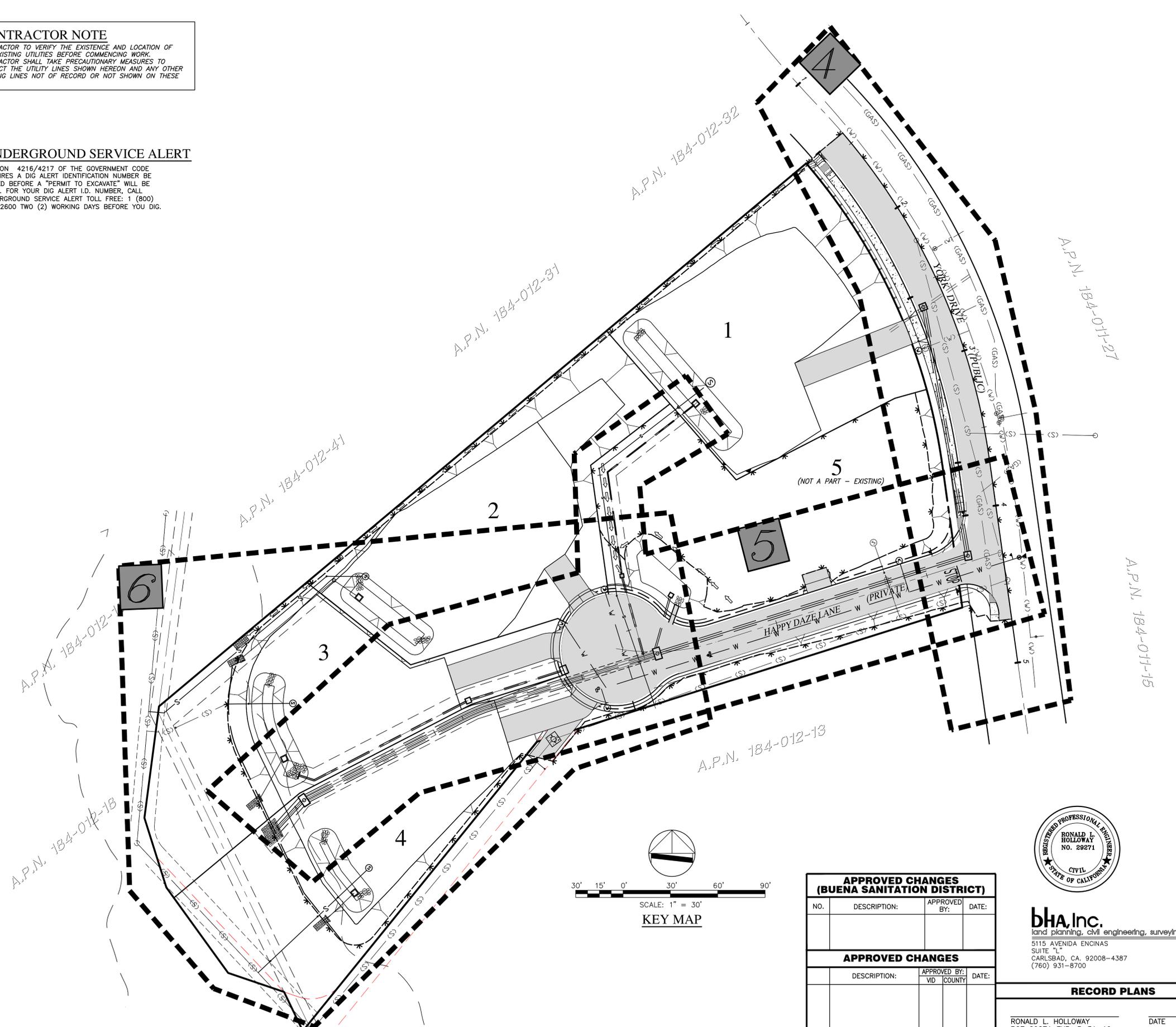


UNDERGROUND SERVICE ALERT

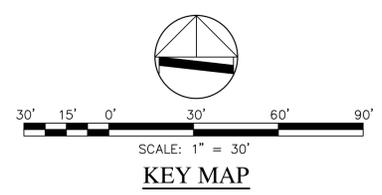
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT TOLL FREE: 1 (800) 227-2600 TWO (2) WORKING DAYS BEFORE YOU DIG.

LEGEND

- PROPERTY LINE
- SUBDIVISION BOUNDARY
- STORM DRAIN
- SEWER
- WATER
- SHEET NO. **5**
- EXISTING SEWER (S)
- EXISTING WATER (W)
- EXISTING GAS (GAS)



MAP 2048

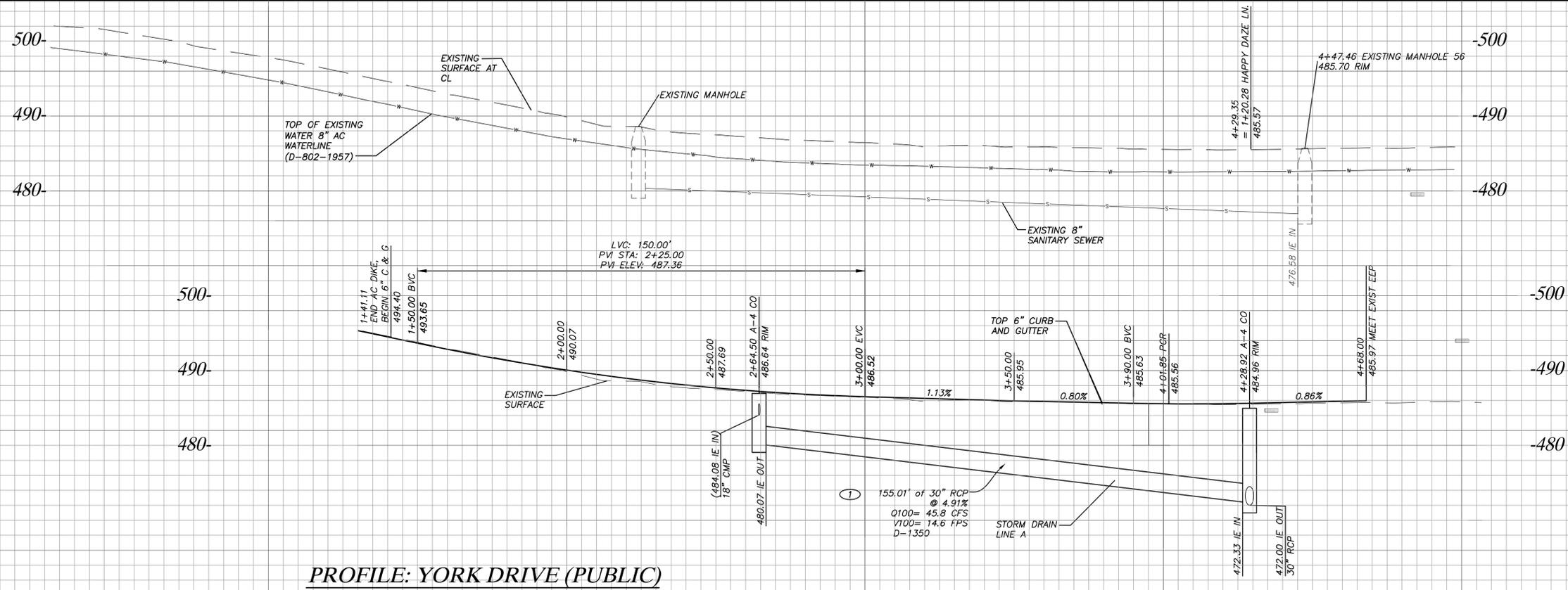


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5115 AVENIDA ENCINAS
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APPROVED CHANGES (BUENA SANITATION DISTRICT)			
NO.	DESCRIPTION:	APPROVED BY:	DATE:
APPROVED CHANGES			
DESCRIPTION:	APPROVED BY:	DATE:	

RECORD PLANS
RONALD L. HOLLOWAY
RCE 29271 EXP. 3-31-19

SHEET 3	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
IMPROVEMENT PLAN FOR: KEY MAP TM 5448		
CALIFORNIA COORDINATE INDEX		370-1701
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK RONALD L. HOLLOWAY R.C.E. 29271	DATE
BY	DATE	PDS2017-LDMJIP-50036



PROFILE: YORK DRIVE (PUBLIC)

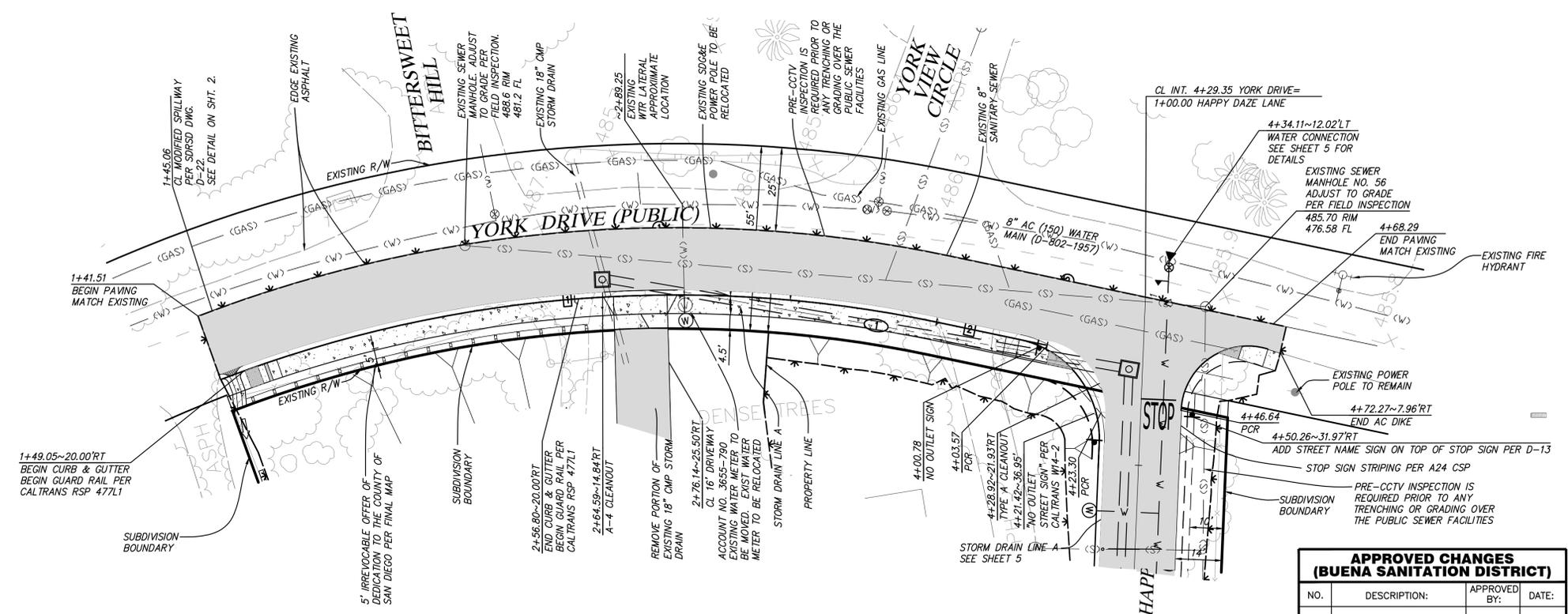
SEE SHEET 5 FOR HAPPY DAZE LANE STREET, SEWER, & WATER IMPROVEMENTS

SCALES: HORIZONTAL: 1"=20'
VERTICAL: 1"=8'

STORM DRAIN DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	150.17'	S10°02'30"E	-	30" RCP

CURB DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	217.32'	32°46'00"	380.00'	6" CURB AND GUTTER
2	33.70'	S8°00'10"E	-	6" CURB AND GUTTER

CENTERLINE DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	228.36'	32°42'37"	400.00'	
2	85.84'	S8°00'10"E	-	



VISTA IRRIGATION DISTRICT CONTRACTOR TO FIELD SURVEY UTILITIES PRIOR TO CONSTRUCTION. ALL WORK TO BE PRE-DUG PRIOR TO WET TAPPING MAIN AND INSTALLING ANY PIPE IN ORDER TO AVOID ANY POTENTIAL CONFLICTS. IN THE EVENT CONFLICTS EXIST, A REVISED PROFILE MUST BE PREPARED AND SUBMITTED TO VID FOR REVIEW AND APPROVAL. ALL WORK TO BE DONE UNDER VID INSPECTION. MANNY MACIAS, AT (760) 801-0010.

APPROVED CHANGES (BUENA SANITATION DISTRICT)

NO.	DESCRIPTION:	APPROVED BY:	DATE:

APPROVED CHANGES

DESCRIPTION:	APPROVED BY:	DATE:

SEE SHEET 5

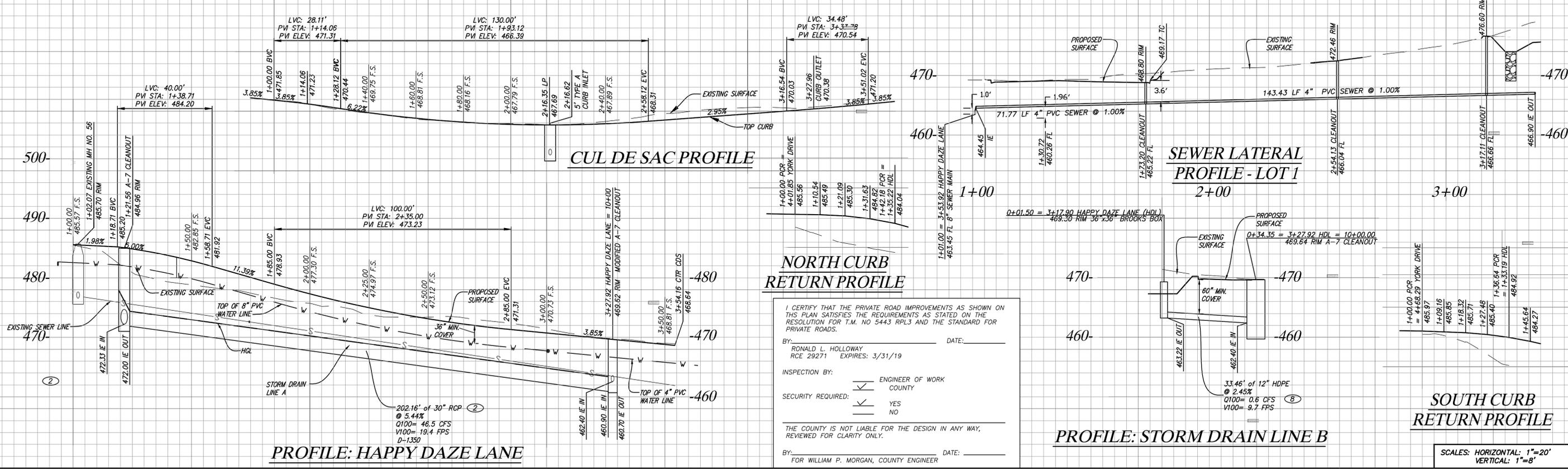
SCALE: 1" = 20'

RECORD PLANS

RONALD L. HOLLOWAY RCE 29271 EXP. 3-31-19

DATE

SHEET 4	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
IMPROVEMENT PLAN FOR: YORK DRIVE STA. 1+00 TO STA. 5+05 (PUBLIC ROAD)		
CALIFORNIA COORDINATE INDEX 370-1701		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK RONALD L. HOLLOWAY R.C.E. 29271	DATE
BY	DATE	PDS2017-LDMJIP-50036



I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED ON THE RESOLUTION FOR T.M. NO 5443 RPL3 AND THE STANDARD FOR PRIVATE ROADS.

BY: RONALD L. HOLLOWAY RCE 29271 EXPIRES: 3/31/19 DATE: _____

INSPECTION BY: _____ ENGINEER OF WORK COUNTY _____

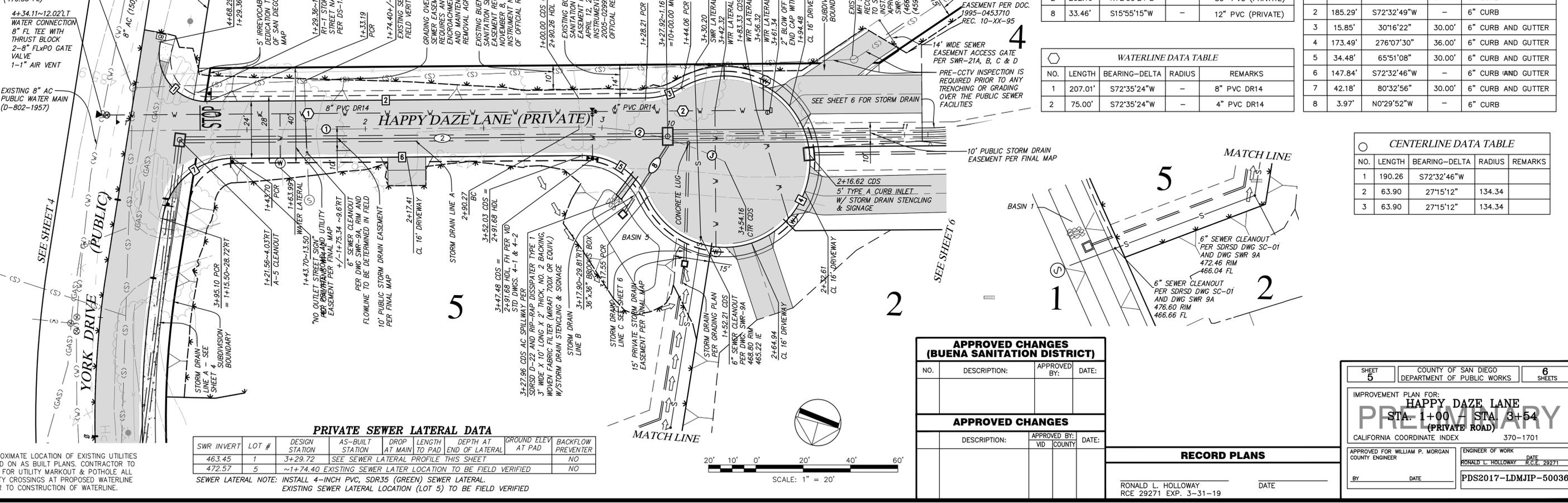
SECURITY REQUIRED: YES NO

THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANY WAY, REVIEWED FOR CLARITY ONLY.

BY: _____ DATE: _____ FOR WILLIAM P. MORGAN, COUNTY ENGINEER



SCALE: HORIZONTAL: 1"=20' VERTICAL: 1"=8'



STORM DRAIN DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
2	202.16'	N72°35'24"E	-	30" PVC (PRIVATE)
8	33.46'	S15°55'15"W	-	12" PVC (PRIVATE)

WATERLINE DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	207.01'	S72°35'24"W	-	8" PVC DR14
2	75.00'	S72°35'24"W	-	4" PVC DR14

CURB DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	36.64'	104°57'22"	20.00'	6" CURB
2	185.29'	S72°32'49"W	-	6" CURB
3	15.85'	30°16'22"	30.00'	6" CURB AND GUTTER
4	173.49'	276°07'30"	36.00'	6" CURB AND GUTTER
5	34.48'	65°51'08"	30.00'	6" CURB AND GUTTER
6	147.84'	S72°32'46"W	-	6" CURB AND GUTTER
7	42.18'	80°32'56"	30.00'	6" CURB AND GUTTER
8	3.97'	N0°29'52"W	-	6" CURB

CENTERLINE DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
1	190.26	S72°32'46"W	-	
2	63.90	27°15'12"	134.34	
3	63.90	27°15'12"	134.34	

PRIVATE SEWER LATERAL DATA							
SWR INVERT	LOT #	DESIGN STATION	AS-BUILT STATION	DROP AT MAIN	LENGTH TO PAD	DEPTH AT END OF LATERAL	GROUND ELEV AT PAD
463.45	1	3+29.72	SEE SEWER LATERAL PROFILE THIS SHEET				NO
472.57	5	~1+74.40	EXISTING SEWER LATERAL LOCATION TO BE FIELD VERIFIED				NO

SEWER LATERAL NOTE: INSTALL 4-INCH PVC, SDR35 (GREEN) SEWER LATERAL. EXISTING SEWER LATERAL LOCATION (LOT 5) TO BE FIELD VERIFIED

APPROVED CHANGES (BUENA SANITATION DISTRICT)

NO.	DESCRIPTION:	APPROVED BY:	DATE:

APPROVED CHANGES

DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLANS

RONALD L. HOLLOWAY RCE 29271 EXP. 3-31-19 DATE: _____

SHEET 5 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 6 SHEETS

IMPROVEMENT PLAN FOR: **HAPPY DAZE LANE** STA. 1+00 STA. 3+54 (PRIVATE ROAD)

CALIFORNIA COORDINATE INDEX 370-1701

APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER ENGINEER OF WORK DATE: _____ DATE: _____

PDS2017-LDMJIP-50036

I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED ON THE RESOLUTION FOR T.M. NO 5443 RPL3 AND THE STANDARD FOR PRIVATE ROADS.

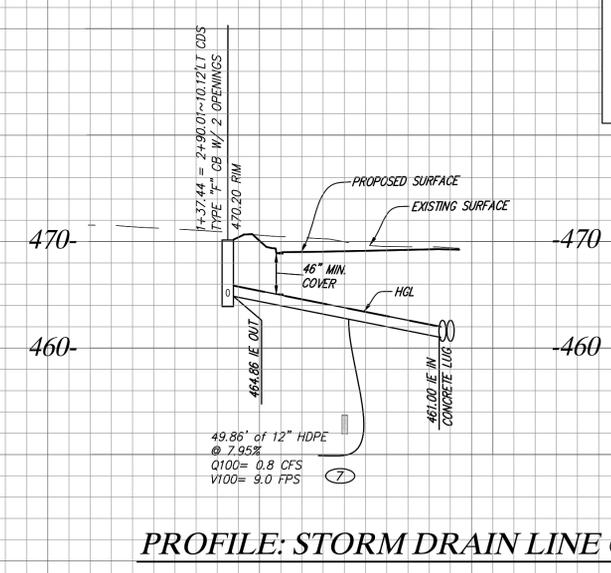
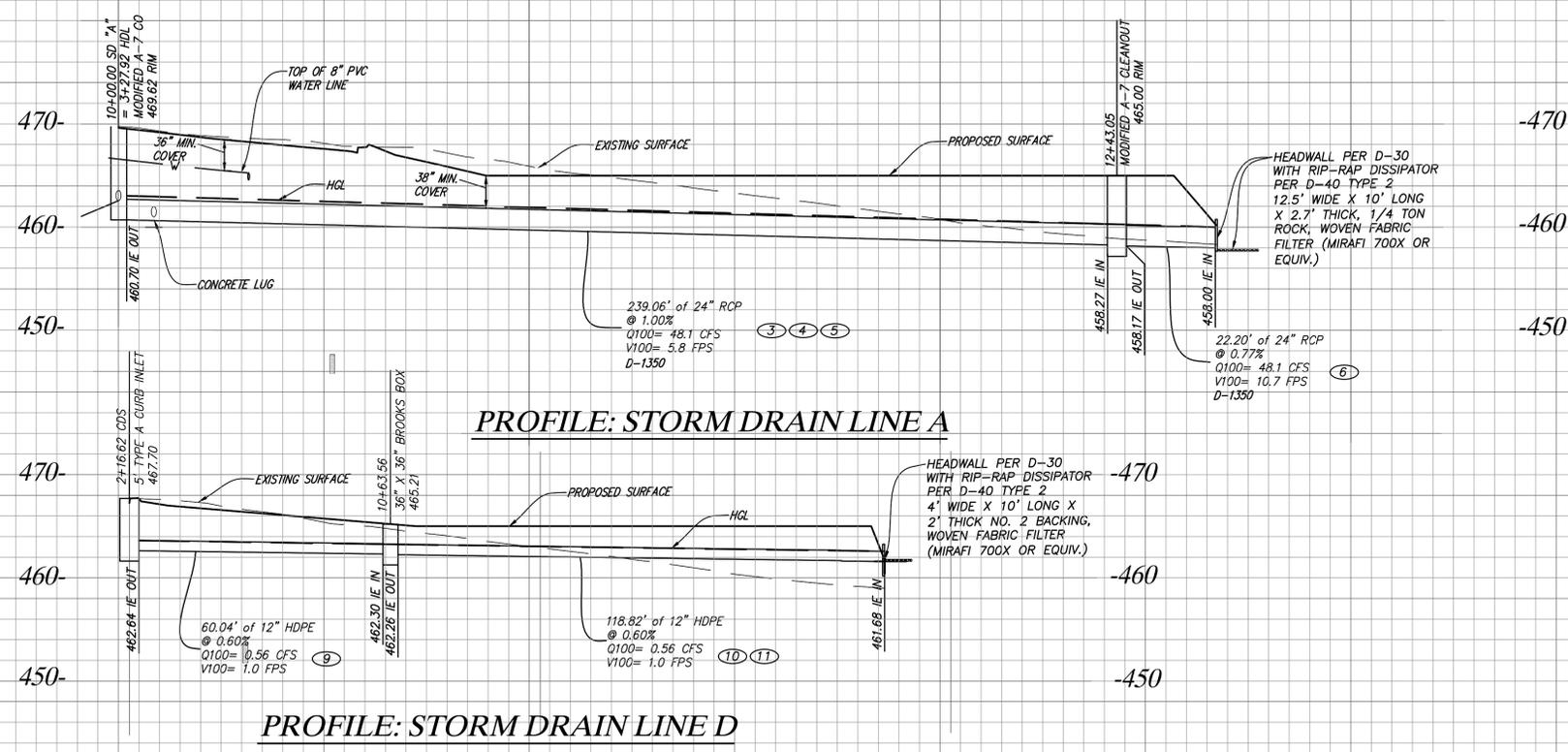
BY: RONALD L. HOLLOWAY RCE 29271 DATE: 3/31/19

INSPECTION BY: _____ ENGINEER OF WORK COUNTY

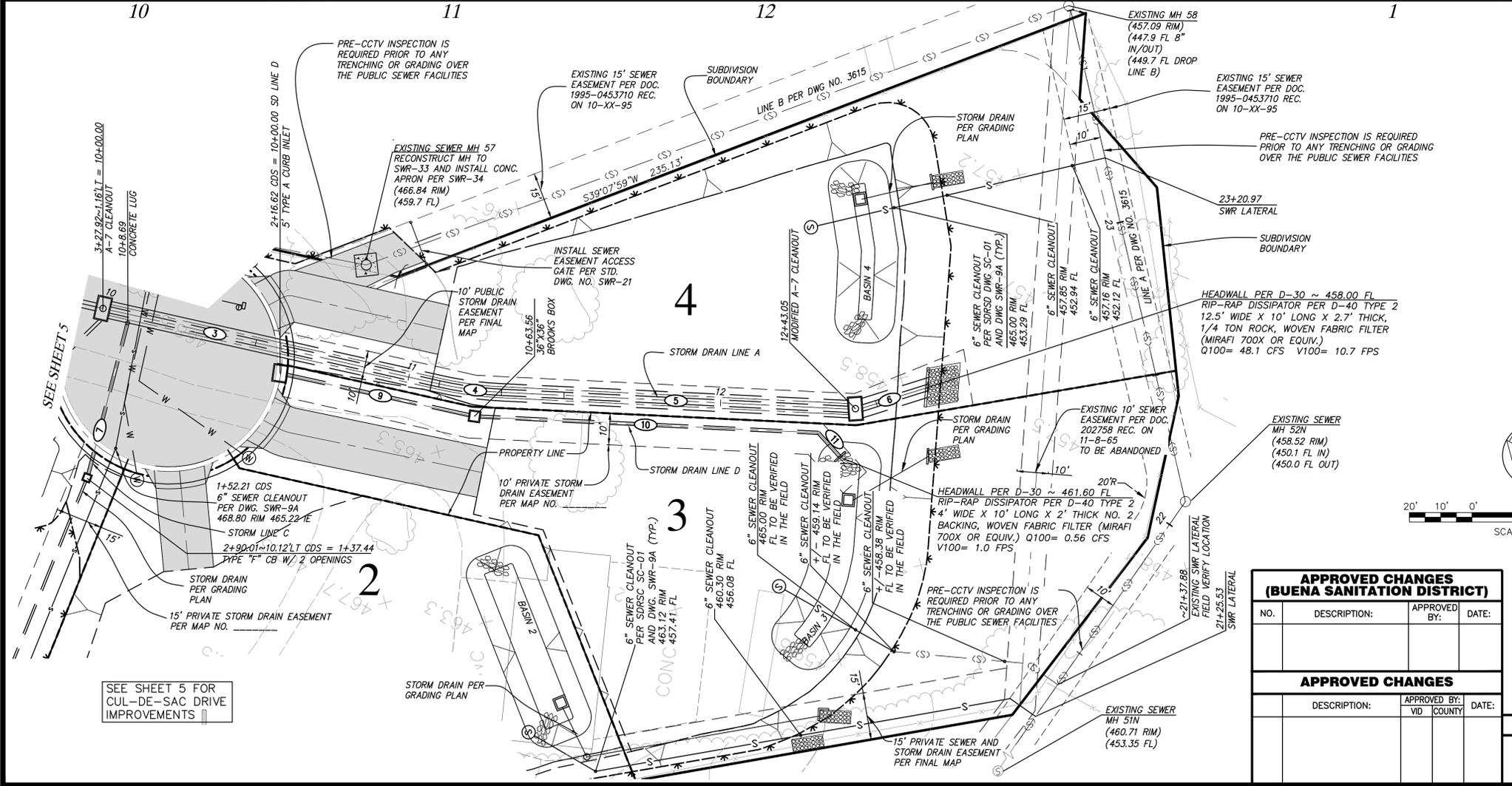
SECURITY REQUIRED: YES NO

THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANY WAY, REVIEWED FOR CLARITY ONLY.

BY: FOR WILLIAM P. MORGAN, COUNTY ENGINEER DATE: _____



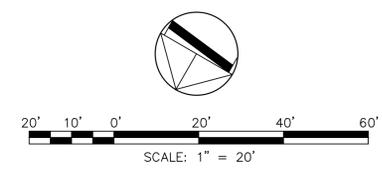
SCALES: HORIZONTAL: 1"=20'
VERTICAL: 1"=8'



STORM DRAIN DATA TABLE				
NO.	LENGTH	BEARING-DELTA	RADIUS	REMARKS
3	107.95'	N72°35'24"E	-	2-24" RCP (PRIVATE)
4	20.09'	9°50'14"	117.00'	2-24" RCP (PRIVATE)
5	111.02'	N62°45'10"E	-	2-24" RCP (PRIVATE)
6	22.20'	N42°35'30"E	-	2-24" RCP (PRIVATE)
7	49.86'	S15°22'02"E	-	12" HDPE (PRIVATE)
9	60.04'	N72°27'50"E	-	12" HDPE (PRIVATE)
10	108.34'	N62°40'28"E	-	12" HDPE (PRIVATE)
11	10.48'	S72°14'50"E	-	12" HDPE (PRIVATE)

PRIVATE SEWER LATERAL DATA									
SWR INVERT	LOT #	DESIGN STATION	AS-BUILT STATION	DROP AT MAIN	LENGTH TO PAD	SLOPE	FL AT END OF LATERAL AT PAD	GROUND ELEV AT PAD	BACKFLOW PREVENTER
451.43	2	21+25.53		3.1'	166.74'	2%	457.86 IE	465.00	NO
448.82	3	~21+37.88							NO
448.51	4	23+20.97		3.4'	94.32'	2%	453.79 IE	465.00	NO

SEWER LATERAL NOTE:
INSTALL 4-INCH PVC, SDR35 (GREEN) SEWER LATERAL.
EXISTING SEWER LATERAL LOCATION (LOT 3) TO BE FIELD VERIFIED



APPROVED CHANGES (BUENA SANITATION DISTRICT)

NO.	DESCRIPTION:	APPROVED BY:	DATE:

APPROXIMATE LOCATION OF EXISTING UTILITIES BASED ON AS BUILT PLANS. CONTRACTOR TO CALL FOR UTILITY MARKOUT & POTHOLE ALL UTILITY CROSSINGS AT PROPOSED WATERLINE PRIOR TO CONSTRUCTION OF WATERLINE.

RECORD PLANS

RONALD L. HOLLOWAY RCE 29271 EXP. 3-31-19 DATE: _____

SHEET 6	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
IMPROVEMENT PLAN FOR: PRE-CONSTRUCTION STORM DRAIN & SEWER LATERALS		
CALIFORNIA COORDINATE INDEX 370-1701		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK RONALD L. HOLLOWAY R.C.E. 29271	DATE: _____
BY: _____ DATE: _____	PDS2017-LDMJIP-50036	