1017 HOT SPRINGS ROAD MONTECITO, CA 93108

LEGEND VICINITY MAP STORM DRAINAGE — DITCH / FLOWLINE ____ ----- GRADING LIMIT PROPERTY LINE CENTERLIN SAWCUT TREE TRUNK AND CRITICAL ROOT ZONE



STANDARD ABBREVIATIONS

AC	ASPHALTIC CONCRETE	IE	INVERT ELEVATION
BLDG	BUILDING	INV	INVERT
BCR	BEGIN CURB RETURN	JAC	JACARANDA TREE
BVC	BEGIN VERTICAL CURVE	LA	LANDSCAPE AREA
BW	BOTTOM OF WALL	NG	NATURAL GRADE
СВ	CATCH BASIN	PA	PLANTER AREA
C/L	CENTERLINE	PCC	PORTLAND CEMENT CONCRETE
CMU	CONCRETE MASONRY UNIT	P/L	PROPERTY LINE
CONC	CONCRETE	POC	POINT OF CONNECTION
DW	DRIVEWAY	PS	PARKING STRIPE
ECR	END CURB RETURN	PVC	
EG	EXISTING GRADE	RW	
EP	EDGE OF PAVEMENT	SD	
EVC	END VERTICAL CURVE	5D 8C	
FF	FINISHED FLOOR	36	SUB-GRADE ELEVATION
FG	FINISHED GRADE	55	SANITARY SEWER
FH	FIRE HYDRANT	SYC	SYCAMORE TREE
FL	FLOW LINE	TC	TOP OF CURB, CONCRET
FS	FINISHED SURFACE	TF	TOP OF FOOTING
GB	GRADE BREAK	TG	TOP OF GRATE
		TW	TOP OF WALL
		VC	VERTICAL CURVE

LOCATION MAP



D

GOERNER RESIDENCE



SURVEY NOTES

1. TOPOGRAPHIC MAPPING: THE TOPOGRAPHIC MAPPING SHOWN HEREON WAS COMPILED FROM AERIAL PHOTOGRAPHY DATED NOVEMBER 28, 2005 USING STANDARD PHOTOGRAMMETRIC METHODS BY CENTRAL COAST AERIAL MA AT A SCALE OF 1 = 20 FEET, WITH A 1 FOOT CONTOUR INTERVAL. DASHED CONTOURS ARE UNDER HEA VEGETATION AND MAY NOT MEET NATIONAL MAPPING STANDARDS.

ADDITIONAL PLANIMETRIC INFORMATION SHOWN HEREON WAS COMPILED FROM DATA COLLECTED IN DAY FIELD VERIFICATION SURVEY UNDERTAKEN BY PENFIELD & SMITH IN JANUARY 2006 AT THE REQU MARK GOERNER.

ADDITIONAL TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED FROM AERIAL PHOTOGRA COLLECTED BY WATERS CARDENAS LAND SURVEYING DATED JUNE 11, 2018 AT A SCALE OF 1 = 30 FEE WITH A 1 FOOT CONTOUR INTERVAL AT THE REQUEST OF MARK GOERNER.

2. BASIS OF BEARINGS AND COORDINATES: BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, NAD 83, ZONE GRID (EPOCH 2004.0), DEFINED LOCALLY BYCONTINUOUSLY OPERATING REFERENCE STATIONS OPERA BY THE CALIFORNIA SPATIAL REFERENCE CENTER. THIS SURVEY TIED TO STATIONS COPR, RCA2 AND U SEE TIE DIAGRAM.

ALL DISTANCES AND BEARINGS SHOWN AS MEASURED OR CALCULATED ARE EXPRESSED IN CCS, NAC ZONE V GRID US SURVEY FOOT UNITS.

CALCULATED AT SET MONUMENT NUMBER 21. SEE TIE DIAGRAM. TO OBTAIN GROUND LEVEL DISTANCE MULTIPLY GID DISTANCES BY 1.000101800, WHICH IS THE INVERSE OF THE PROJECT COMBINATION. TO OBTAIN TRUE NORTH BEARINGS, SUBTRACT THE MAPPING ANGLE FROM THE GRID BEARING.

RECORD DISTANCES AND BEARINGS ARE SHOWN OR NOTED IN THE DOCUMENT BEING REFERENCED. TO THE DOCUMENT ITSELF. ALL RECORD DISTANCES USED FRO ESTABLISHMENT PURPOSES WERE FIL CONVERTED TO GRID USING THE ABOVE COMBINATION FACTOR.

3. ELEVATIONS:

ELEVATIONS SHOWN HEREON ARE EXPRESSED IN US. SURVEY FEET AND ARE REFERENCED TO THE NATIO GEODETIC VERTICAL DATUM OF 1929 (NGVD29). NORTH AMERICAN VERTICAL DATUM ELEVATIONS (NAVD) O CORS STATIONS WERE HELD FOR ADJUSTMENT PURPOSES AND A LOCAL DATUM SHIFT OF -2.65 FEET WAS APPLIED TO THE LOCAL CONTROL POINT NUMBERS 21 A SET 1/2" IRON PIPE W/ PLASTIC P&S CONTROL PLUE ELEVATION = 893.54 FEET AND 22 A SET 1/2" IRON PIPE W/ PLASTIC P&S CONTROL PLUG, ELEVATION = 974.62 FEET.

4. UTILITIES:

SURFACE UTILITY FEATURES SHOWN HEREON HAVE BEEN LOCATED IN A FIELD SURVEY PERFORMED E PENFIELD AND SMITH BASED ON VISIBILITY ON THE DATE OF SURVEY.

- NOTE: 1. SURVEY INFORMATION IN THIS PLAN SET IS NOT A BOUNDARY SURVEY. PROPERTY LINES, SETBACKS, AND EASEMENT INFORMATION SHOWN IS FOR REFERENCE ONLY.
- CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR PRIOR TO USE. THE SURVEYOR MUST PROVIDE THE ENGINEER WITH THE SURVEY CONTROL NOTES, CONTROL COORDINATES, AND SURVEY NOTES.

SURVEY MONUMENT PROTECTION:

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE AUTHORITY HAVING JURISDICTION, PURSUANT TO ALL APPLICABLE BUSINESS AND PROFESSIONAL CODES.

UTILITY PURVEYORS

| E

ELECTRICITY:	SOUTHERN CALIFORNIA EDISON http://www.sce.com/ 1-800-655-4555
NATURAL GAS:	SOUTHERN CALIFORNIA GAS COMPANY P.O. BOX C MONTEREY PARK, CA 91756 (800)-427-2200
CABLE TV:	COX COMMUNICATIONS 3303 STATE STREET SANTA BARBARA, CA (805) 681-6600
TELEPHONE:	VERIZON http://www.verizon.com/home/phone/

	PROJECT INFORM	ΙΑΤΙΟΝ
APPING	CLIENT:	MARCIA & JOHN GOERNER 1017 HOT SPRINGS ROAD MONTECITO, CA 93108
AVY I A ONE	ARCHITECT:	AB DESIGN STUDIO, INC. 420 E HALEY STREET SANTA BARBARA, CA 93101
IEST OF	GEOTECHNICAL:	GEOSOLUTIONS 1020 WEST TAMA LANE, SUITE 200 SANTA MARIA, CA 93454
ET,	SURVEYORS:	STANTEC 111 EAST VICTORIA STREET SANTA BARBARA, CA 93101
E 5 ATED UCSB.		WATERS CARDENAS LAND SURVEYING, LLP 5553 HOLLISTER AVENUE, SUITE 7 GOLETA, CA 93117
D 83,	APN:	011-010-008
ES,	GRADING INFORMAT AREA DISTURBED: TOTAL WALL LENGTH	ION 2.05 AC 1: 2,800 LINEAR FEET
) REFER IRST	HOT SPRINGS CROS CUT QUANTITY: FILL QUANTITY: NET QUANTITY:	SING EARTHWORK 250 CUBIC YARDS 500 CUBIC YARDS 250 CUBIC YARDS IMPORT
ONAL OF	DRIVEWAY EARTHWO CUT QUANTITY: FILL QUANTITY: NET QUANTITY:	ORK 3100 CUBIC YARDS 2100 CUBIC YARDS 1000 CUBIC YARDS EXPORT
5 JG, 52	HOUSE SITE EARTHV CUT QUANTITY: FILL QUANTITY: NET QUANTITY:	VORK 2100 CUBIC YARDS 900 CUBIC YARDS 1200 CUBIC YARDS EXPORT
BV	NET QUANTITY:	1950 CUBIC YARDS EXPORT
	*NOTE: THE ABOVE (ONLY. SHRINKAGE: (QUANTITIES ARE FOR PLANNING AND PERMITTING PURPOSES CONSOLIDATION AND SUBSIDENCE FACTORS: LOSSES DUE TO

DIG ALERT

FOUNDATIONS ARE NOT INCLUDED.

DIGALERT DIAL TOLL FREE **811** OR (1-800-227-2600) AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT

EXCAVATION, DIGGING, POT HOLING, ETC. CALL DIG ALERT FOR ASSIGNMENT OF AN INQUIRY ID NUMBER, BECAUSE NO EARTH WORK SHALL COMMENCE UNLESS THE CONTRACTOR HAS OBTAINED THIS AND EACH UTILITY OR OWNER OF SUBSURFACE FACILITIES HAS LOCATED AND MARKED THEIR SUBSURFACE FACILITIES IN THE AREA OF WORK.

PRIOR TO COMMENCING OF ANY

SHEET INDEX

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CLEARING AND DEMOLITION OPERATIONS; AND TRENCHING FOR UTILITIES AND

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- GENERAL NOTES: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COUNTY OF SANTA BARBARA AND THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE. IN THE EVENT OF A CONFLICT BETWEEN ANY REFERENCED STANDARD, THE MORE STRINGENT AND/OR SPECIFICATIONS OF THE GEOTECHNICAL ENGINEER. THE MORE STRINGENT
- REQUIREMENT SHALL GOVERN
- STORMWATER POLLUTION PREVENTION REQUIREMENTS PER COUNTY OF SANTA BARBARA AND SWRCB
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- BEFORE BEGINNING WORK, CONTRACTOR SHALL CONFIRM WITH AGENCIES HAVING JURISDICTION THAT ALL REQUIRED PERMITS AND LICENSES HAVE BEEN OBTAINED AND ALL REQUIRED NOTICES
- LINDERGROUND AND OVERHEAD CONSTRUCTION IN ADDITION TO WHAT IS SHOWN ON THESE PLANS MAY BE PART OF THIS PROJECT, INCLUDING ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL IMPROVEMENTS, ADDITIONAL PERMITS MAY BE REQUIRED.
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AND INTERFACING IMPROVEMENTS WITH WORK BY OTHER CONTRACTORS AT THIS JOB SITE AND WITH IMPROVEMENTS REQUIRED BY PLANS BY OTHERS.
- B. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR BUILDING AND SITE LAYOUT DIMENSIONING
- C. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR SITE DEVELOPMENT CONSTRUCTION DETAILS AND DIMENSIONING, INCLUDING THOSE FOR BUILDINGS. PATIOS. WALKWAYS. DRIVEWAYS. WALLS/FENCES. PLUMBING. ELECTRICAL. UTILITIES, LANDSCAPING, AND IRRIGATION.
- ALL SITE WORK AND TESTING SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE FOLLOWING GEOTECHNICAL ENGINEERING REPORT FOR THIS PROJECT:
- A. PREPARED BY: PACIFIC MATERIALS LABORATORY OF SANTA BARBARA INC., FILE NUMBER 06-9768-2, DATE: DECEMBER 14, 2006. B. THIS REPORT AND ANY ADDENDA SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART
- HEREOF AS IF SPELLED OUT IN THEIR ENTIRETY HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE APPLICABLE GEOTECHNICAL REPORTS. CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO OBTAIN OR REVIEW COPIES OF THESE REPORTS AND ADDENDA.
- C. PRIOR TO BIDDING, CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO DETERMINE THE LOCATION AND DEPTH OF ALL TEST BORINGS AND EXPLORATORY PITS AND EXCAVATIONS. CONTRACTOR SHALL DETERMINE FROM THE GEOTECHNICAL ENGINEER WHAT REMEDIAL WORK IS RECOMMENDED TO MAKE THESE DISTURBED LOCATIONS SUITABLE FOR THE PROPOSED IMPROVEMENTS CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS FOR THE RECOMMENDED. REMEDIAL WORK AND SHALL ADJUST HIS OPERATIONS TO PROPERLY SEQUENCE THE WORK TO ACCOMMODATE REMEDIAL WORK WITH CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF CAL-OSHA AND OSHA
- ALL UNSUITABLE CONSTRUCTION MATERIALS AND RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A SUITABLE LOCATION, AND DISPOSED OF IN A PROPER AND LEGAL MANNER
- 0. ALL WORK INVOLVING EXCAVATION, INCLUDING THAT FOR WATER, SEWER, STORM DRAIN AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES (NOT PERMITTED IN DRIVEWAYS) SHALL BE COMPLETED AND OBSERVED AND APPROVED BY THE AGENCY HAVING JURISDICTION AND THE STRUCTURAL BACKFILL OBSERVED AND TESTED FOR COMPACTION AND APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE AGGREGATE BASE, PAVING AND OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE
- BEFORE COMMENCING EXCAVATION. CONTRACTOR SHALL CONTACT PUBLIC WORKS AND UTILITY COMPANIES OR OTHER OWNERS OF SUBSURFACE FACILITIES WITHIN THE WORK SITE AND SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE WILL BE PRESENT BEFORE AND/OR DURING EXCAVATION, AND SHALL DETERMINE SITE SPECIFIC REQUIREMENTS FOR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY PUBLIC WORKS, BUILDING AND SAFETY, UTILITY COMPANIES, GEOTECHNICAL ENGINEER, AND ENGINEER OF RECORD, AT LEAST 48 HOURS BEFORE START OF ANY CONSTRUCTION AND OF THE TIME AND LOCATION OF PRE-CONSTRUCTION CONFERENCE, AND SHALL DETERMINE FROM EACH PARTY THEIR SCOPE OF WORK TO BE OBSERVED AND BY WHOM, AND SCOPE OF TESTING. DURING THE COURSE OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION.
- 3. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TEMPORARY IMPROVEMENTS AND PARTIALLY COMPLETED PORTIONS OF THE WORK CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION PER ALL REQUIREMENTS OF CAL-OSHA AND OSHA.
- CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION BY TELEPHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND SPECIFICATIONS.
- 5. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION OF RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO ENGINEER ALONG WITH A LETTER WHICH DECLARES THAT, OTHER THAN THESE NOTED CHANGES, "THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS." WARNING: ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR,
- UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PREPARER. 6. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION
- PRACTICES CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND INDEMNIEY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT AND ACCEPTS LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH INSTALL AND MAINTAIN SUCH FENCING SIGNS LIGHTS TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFFTY
- 8. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY AT OR IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.

- **GENERAL GRADING NOTES** 1. GRADING SHALL BE IN CONFORMANCE WITH RECOMMENDATIONS MADE BY THE GEOT ENGINEER DURING OBSERVATION AND TESTING OF SITE DEMOLITION, PREPARATION, DEVELOPMENT WORK. FOR ANY CONFLICT BETWEEN THESE PLANS AND THE RECOMM
- SHALL GOVERN. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION (EXCEPT TREES INDIC REMAIN). INCLUDING ROOTS AND ROOT STRUCTURES. OTHER ORGANIC MATERIAL. DE NON-COMPLYING FILL AND OTHER MATERIAL UNSUITABLE FOR SUPPORT OF FILL AND IMPROVEMENTS, AS RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING GEOTECHNICAL ENGINEER. CALL THE INSPECTOR FOR INITIAL INSPECTION.
- 3. ALL UNSUITABLE SOIL MATERIALS AND RUBBISH AND DEBRIS RESULTING FROM DEMO GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A LOCATION AND DISPOSED OF IN A PROPER AND LEGAL MANNER.
- AREAS TO RECEIVE FILL MATERIAL AND AREAS TO RECEIVE BUILDINGS EXTERIOR SI WALLS. PAVEMENT AND OTHER STRUCTURAL IMPROVEMENTS SHALL BE PREPARED RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING OF THE GEOTECHN RECOMMENDATIONS FOR OVER EXCAVATION, ADDITIONAL SCARIFICATION, BACKFILL RECOMPACTION ARE CONTAINED IN THE PROJECT GEOTECHNICAL REPORT REFEREN GENERAL NOTES ON THESE PLANS.
- 5. PRIOR TO PLACEMENT OF FILL AND BACKFILL MATERIAL, THE PREPARED AREA SHALL AND APPROVED BY THE INSPECTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO OBS AREAS TO BE FILLED. ALLOW A MINIMUM 48-HOUR NOTICE. FILL AND BACKFILL PLAC PREPARED AREA WITHOUT THE REQUIRED OBSERVATION SHALL BE REMOVED.
- 6. ALL FILL MATERIAL, WHETHER EXCAVATED ON-SITE OR IMPORTED FROM OFF-SITE, SH AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. IMPORTED SHALL BE EQUAL TO OR BETTER IN QUALITY THAN THE ON-SITE SOILS AND SHALL CON RECOMMENDATION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINE AND APPROVE THE SOIL PROPOSED FOR IMPORT FOR STRUCTURAL FILL PRIOR TO IM THE SITE. THE LANDSCAPE ARCHITECT AND THE GEOTECHNICAL ENGINEER SHALL TE APPROVE THE SOIL PROPOSED FOR IMPORT FOR LANDSCAPE AREA SURFACE MATER IMPORTATION TO THE SITE.
- CONTRACTOR SHALL REFER TO THE FOLLOWING AS APPLICABLE: - ARCHITECT'S PLANS FOR ADDITIONAL GRADING REQUIREMENTS IN BUILDING AREA - LANDSCAPE ARCHITECT'S PLANS FOR TREE PRESERVATION REQUIREMENTS AND F ALLOWANCES IN LANDSCAPE AREAS. - PUBLIC IMPROVEMENT PLANS FOR INTERFACING WITH PUBLIC GRADING, PAVING, DRAINAGE AND UTILITY IMPROVEMENTS.
- 8. WHERE PLANTER AREAS ARE SHOWN ON THE PLANS ADJACENT TO BUILDINGS AND A BY WALKS / FLATWORK LESS THAN 8" BELOW BOTTOM OF SILL PLATE OR WHERE ADJA GRADE OUTSIDE A BUILDING IS SHOWN TO BE LESS THAN 8" BELOW BOTTOM OF SILL CONTRACTOR'S RESPONSIBILITY TO VERIEV THAT BUILDING PLANS CALL FOR APPROP DAMPPROOF OR WATERPROOF CONSTRUCTION AND IS CONSTRUCTED IN ACCORDAN BUILDING APPLICABLE CODE REQUIREMENTS.
- 9. PLAN ELEVATIONS SHOWN ON SOIL AND LANDSCAPED AREAS ARE FINISH GRADE (FINI ELEVATIONS INTENDED TO ESTABLISH SURFACE DRAINAGE CONTROL FOR THESE ARE GRADING OPERATIONS, THICKNESSES (SUBGRADE ALLOWANCES) SPECIFIED BY LAND ARCHITECT FOR TURF, WOOD CHIPS, MULCH, ETC. SHALL BE SUBTRACTED FROM THE TO ESTABLISH FINISH SUBGRADE
- . BEFORE PLACEMENT OF AGGREGATE BASE OR SUBBASE MATERIAL IN PAVEMENT ARI SUBGRADE SOIL SHALL BE REVIEWED AND TESTED BY THE GEOTECHNICAL ENGINEER PAVING OPERATIONS, STRUCTURAL SECTION COMPACTION SHALL BE OBSERVED AND GEOTECHNICAL ENGINEER.
- 11. QUALITY REVIEW AND REPORTING REQUIREMENTS.
- A. GRADING AND IMPROVEMENTS FOUND NOT IN CONFORMANCE WITH APPROVED PLA INTENT SHALL BE CORRECTED BY CONTRACTOR AT CONTRACTOR'S EXPENSE. ADD SURVEYING TO CONFIRM ELEVATIONS AFTER CORRECTIVE MEASURES SHALL ALSO I CONTRACTOR'S EXPENSE.
- REQUIREMENTS FOR VARIOUS SURFACING CONDITIONS ARE AS FOLLOWS:
- DIRT: NOT LESS THAN 2% (1/4" PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAIN. FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION
- A.C. PAVEMENT: NOT LESS THAN 1% (1/8 INCH PER FOOT) SLOPE IN DIRECTION OF DRAINAGE AND 0.04 FOOT MAXIMUM DEVIATION FROM DESIGN FLEVATION AT ANY
- CONCRETE: NOT LESS THAN 0.5% (1/16 INCH PER FOOT) SLOPE IN DIRECTION OF SU DRAINAGE AND 0.02 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY UNLESS NOTED OTHERWISE ON PLANS.

TRENCHING AND BACKFILL NOTES:

- ALL TRENCHING, BEDDING AND BACKFILL MATERIAL AND CONSTRUCTION, SHALL BE II WITH THESE PLANS INCLUDING THE PIPE TRENCH DETAIL.
- TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE GEOT ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTAIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE GEOTECH TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONS SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE GEOTECHNICAL ENGINE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH MATERIAL RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED CONTRACTOR TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO PROVIDE CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
- 4. BEDDING AND BACKFILL MATERIAL AND COMPACTED DENSITY, SHALL BE TESTED FOR WITH APPLICABLE REQUIREMENTS BY THE GEOTECHNICAL ENGINEER.
- 5. BEDDING AND PIPE ZONE BACKFILL MATERIAL, SHALL BE COMPACTED TO NOT LESS T MAXIMUM DENSITY TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 909 DENSITY. THE UPPER 12" BELOW THE BASE OR SUB-BASE COURSE IN PAVED AND OT AREAS AND BELOW THE CONCRETE OR SAND COURSE IN WALKWAY AREAS SHALL BE NOT LESS THAN 95% OF MAXIMUM DENSITY. BACKFILL COMPACTION SHALL BE TESTED COMPLIANCE WITH THESE REQUIREMENTS IN ACCORDANCE WITH ASTM D-1557, LATES AND REPORTED BY THE GEOTECHNICAL ENGINEER.
- 6. CLASS I OR CLASS II (TRENCH) BACKFILL SHALL NOT BE PLACED UNTIL BEDDING AND II ZONE) BACKFILL HAVE BEEN OBSERVED, TESTED AND APPROVED.
- 7. COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED.
- 8. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT(S), THE PROJECT WORK A VICINITY, AND SHALL FAMILIARIZE HIMSELF WITH THE WORK AREA CONDITIONS. CONT MAKE HIS OWN DEDUCTIONS AND CONCLUSIONS AS TO HOW EXISTING SURFACE AND CONDITIONS WILL AFFECT OR BE AFFECTED BY HIS CONSTRUCTION OPERATIONS, INC NATURE OF MATERIALS TO BE EXCAVATED. THE DEGREE OF DIFFICULTY ASSOCIATED AND MAINTAINING THE REQUIRED EXCAVATIONS, AND THE DEGREE OF DIFFICULTY WH FROM SUBSURFACE CONDITIONS INCLUDING GROUNDWATER. AND SHALL ACCEPT FU RESPONSIBILITY THEREOF.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF EXISTING ALONG AND BEHIND THE TRENCH SAWCUT LINES DURING CONSTRUCTION IF THIS PAY BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED. CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE (1-FOOT MINIMUM) BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND / OR IRREGULARITY ALONG THE CONFORM LINE.

	D	E	F	G
	D	EMOLITION NOTES:	<u>C(</u>	ONCRETE PAVEMENT AND APPURTENANT CONCRETE NOTES:
TECHNICAL , GRADING, AND MENDATIONS PROVISION CATED TO EBRIS.	1.	THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY THE AVAILABLE RECORDS PROVIDED. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES, NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO WORK OR POTHOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.	1. 2. 3	UNLESS MODIFIED OR OTHERWISE SPECIFIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEF INCLUDING THOSE UNDER SEPARATE HEADINGS, PRIVATE ROADWAY MATERIALS AND CONSTRUCT SHALL BE IN ACCORDANCE WITH THE <u>STANDARD SPECIFICATIONS FOR PUBLIC WORKS</u> <u>CONSTRUCTION (SSPWC)</u> , CURRENT EDITION PER LOCATION. COMPACTION OF FILL, SUBGRADE AND BASE COURSES AS WELL AS ALL TRENCH BEDDING AND BACKFILL SHALL BE OBSERVED AND TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENT THE GEOTECHNICAL ENGINEER. CONCRETE FOR DRIVEWAYS DRAINAGE STRUCTURES AND PAVEMENT SHALL BE CLASS 560-A-3
D/OR PROPOSED G OF THE	2	THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND UNLESS NOTED OTHERWISE. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND/OR STATE LAWS AT NO COST TO THE OWNER.	4. 5.	WHERE GUTTER GRADIENT IS LESS THAN 1.0%, FORM ELEVATIONS SHALL BE CONFIRMED BY LICENSED LAND SURVEYOR PRIOR TO POURING CONCRETE. REINFORCING STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615. STEEL BENDING PROCESS SHALL CONFORM TO THE REQUIREMENTS OF MANUAL OF STANDARD PRACT OF THE CONCRETE REINFORCING STEEL INSTITUTE. BENDING OR STRAIGHTENING SHALL BE
A SUITABLE .ABS, WALKWAYS,	3	THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT AFFECTED BY THESE PLANS.	6.	ACCOMPLISHED SO THAT THE STEEL WILL NOT BE DAMAGED. KINKED BARS SHALL NOT BE USEL JOINTS IN CONCRETE PAVEMENT A. WEAKENED PLANE CRACK CONTROL (CONTRACTION) JOINTS SHALL BE CONSTRUCTED AT REG INTERVALS NOT EXCEEDING 10-FEET EACH WAY (LONGITUDINAL AND TRANSVERSE) AND AT
AS IICAL ENGINEER. AND NCED IN THE	4	ALL JOIN LINES SHALL BE SAWCUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE-CUT PRIOR TO JOINING.		ADDITIONAL LOCATIONS AS MAY BE CALLED FOR IN THE FIELD. JOINTS SHALL BE CONSTRUCTE PER SUBSECTION 303-5.4.2 OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS AND THESE NOT REINFORCEMENT SHALL BE CONTINUOUS THROUGH JOINTS. DEPTH OF JOINTS SHALL BE 1/4 SL THICKNESS + 1/2-INCH (I.E., 2-INCHES FOR 6-INCH SLAB). JOINTS SHALL BE CONSTRUCTED BY
BE INSPECTED SERVE THE ED ON THE	5	ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES, APPURTENANCES, TREES, SIGNS, STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS NOTED OTHERWISE HEREIN, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.		SAWCUTTING GROOVES AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SA WITHOUT RAVELING (USUALLY 4 TO 24 HOURS AFTER PLACEMENT). JOINTS SHALL BE FILLED W JOINT SEALANT (SIKAFLEX-2CNS OR EQUIVALENT, COLOR LIMESTONE GRAY) AS SOON AFTER COMPLETION OF THE CURING PERIOD AS IS FEASIBLE AND BEFORE PAVEMENT IS OPENED TO TRAFFIC. JOINTS SHALL BE CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURI COMPOUNDS, AND SHALL BE SURFACE-DRY WHEN SEALANT IS INSTALLED. JOINT LOCATIONS S
HALL BE TESTED D FILL MATERIAL NFORM TO THE ER SHALL TEST IPORTATION TO	6	THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS OPERATIONS. ANY CURBS DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING PAVING IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.		 BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJACENT (CONTIGUOUS) FEATURES SUCH AS CURBS AND GUTTERS. ALONG CURVES, TRANSVERSE JOINTS SHALL BE RADIAL. B. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS CALLED FOR ON THE PLANS. JOIN SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.2 AS MODIFIED BY THE PLAN DETAILS AND T NOTES. JOINTS SHALL BE CONSTRUCTED 1/2-INCH WIDE USING ONE PIECE OF PREFORMED JOIN
EST AND RIAL PRIOR TO	7	THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.		FILLER INSTALLED FROM BOTTOM OF SLAB TO WITHIN 1" OF CONCRETE SURFACE. THE RESULT RESERVOIR SHALL BE FILLED WITH JOINT SEALANT TO WITHIN ¼" OF CONCRETE SURFACE AS S AFTER COMPLETION OF THE CURING PERIOD AS IS FEASIBLE AND BEFORE PAVEMENT IS OPEN TRAFFIC. JOINTS SHALL BE CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURI COMPOUND, AND SHALL BE SURFACE-DRY WHEN SEALANT IS INSTALLED. REINFORCING BARS S
AS. FOR SUBGRADE	<u>S</u> T	ORM DRAIN NOTES:		DOWELS INSTALLED ACROSS, AND CENTERED ON, THE JOINTS AND MINIMUM 14-INCH LONG SMOOTI THICKNESS (I.E., 1" FOR 8" SLAB, 3/4" FOR 6" SLAB). ONE-HALF (ONE END) OF THE DOWEL SHALL
STORM	1.	ALL PRIVATE STORM DRAIN MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, INCLUDING THE PIPE TRENCH DETAIL.		INSTALLED WITHIN A "SPEED DOWEL" TUBE WITH A 1-INCH GAP BETWEEN THE END OF THE DOW AND THE SEALED END OF THE TUBE. DOWELS SHALL BE INSTALLED AT 12 INCHES ON CENTER HORIZONTALLY, CENTERED IN THE SLAR VERTICALLY, AND A MINIMUM OF 2 INCHES OF FAR OF A
RE CONTAINED	2.	CONTRACTOR SHALL SCHEDULE STORM DRAIN WORK AHEAD OF OTHER UNDERGROUND CONDUIT CONSTRUCTION.		REBAR. JOINT LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREAD CONSTRUCTED IN EXISTING ADJACENT (CONTIGUOUS) FEATURES SUCH AS CURBS AND GUTTE
PLATE, IT IS THE PRIATE NCE WITH ALL	3.	GRAVITY STORM DRAIN WORK SHALL BEGIN AT THE LOWEST POINT OF DISCHARGE AND PROCEED UPSTREAM.	13.	ALONG CURVES, TRANSVERSE JOINTS SHALL BE RADIAL. . JOINTS IN CURBS, GUTTERS AND WALKS A. TRANSVERSE WEAKENED PLANE CRACK CONTROL JOINTS SHALL BE CONSTRUCTED AT REGUL
IISH SURFACE) EAS. DURING DSCAPE ESE ELEVATIONS EAS. THE	4.	POLYVINYL CHLORIDE (PVC) PIPE FOR 4" THROUGH 15" SIZE SHALL COMPLY WITH THE MOST RECENT ISSUE OF ASTM STANDARD D-3034 (SDR 35). PVC PIPE SHALL HAVE AN INTEGRALLY MOLDED BELL OR SOCKET END FOR GASKETED JOINT ASSEMBLY. JOINTS AND GASKETS SHALL COMPLY WITH THE MOST RECENT ISSUE OF ASTM STANDARD D-3212 AND F-477, RESPECTIVELY. PVC PIPE INSTALLATION SHALL COMPLY WITH UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD UNI-B-5, LATEST REVISION. PVC PIPE CONNECTIONS TO MANHOLES, CATCH BASINS AND OTHER CONCRETE STRUCTURES SHALL BE CONSTRUCTED WITH WATERSTOP AT MIDPOINT OF STRUCTURE WALL PENETRATION. WATERSTOP SHALL BE PVC CONCRETE MANHOLE ADAPTER (4" THROUGH 12" PIPE) OR LARGE DIAMETER		 INTERVALS NOT EXCEEDING 10-FEET, DIRECTLY ABOVE DRAIN PIPES THAT OUTLET THROUGH O AND AT ADDITIONAL LOCATIONS AS MAY BE CALLED FOR ON THE PLANS. JOINTS SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.3 PARAGRAPH B OF THE SSPWC AS MODIFIED BY THE DETAILS AND THESE NOTES. REINFORCEMENT SHALL BE CONTINUOUS THROUGH JOINTS. JOIN LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCT EXISTING ADJACENT (CONTIGUOUS) FEATURES. ALONG CURVES AND WALK RETURNS, JOINTS SHALL BE RADIAL. B. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT BCR, ECR, AND AT REGULAR INTERVALS NOT EXCEEDING 30-EEET: ALONG EDGES OF DRIVEWAYS. WHEEL CHAIR RAMPS. AND
R. DURING D TESTED BY THE ANS AND DESIGN	5.	WATERSTOP AS MANUFACTURED BY FERNCO, OR EQUIVALENT APPROVED BY THE ENGINEER. HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGS FOR 4" THROUGH 48" SIZE SHALL BE N-12PROLINK WT (WATERTIGHT) SERIES AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. (ADS). UNLESS NOTED OTHERWISE. LATERAL CONNECTIONS TO MAINLINES SHALL BE MADE USING MANUFACTURER'S WATERTIGHT REDUCING FITTINGS. PIPE AND FITTING INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES. CONNECTIONS TO CONCRETE STRUCTURES SHALL BE CONSTRUCTED WATERTIGHT USING MANUFACTURER'S RECOMMENDED		FIXED OBJECTS AND STRUCTURES (FIRE HYDRANT, LIGHT STANDARD, UTILITY POLE, DRAIN INL MANHOLE OR VALVE COVER, SCREEN/RETAINING WALL, BUILDING WALL, ETC.); AT ADDITIONAL LOCATIONS AS MAY BE CALLED FOR ON THE PLANS. EXPANSION JOINTS SHALL NOT BE CONSTRUCTED IN CROSS OR VALLEY GUTTER WHICH IS SEPARATE FROM CURB. JOINTS SHALL CONSTRUCTED PER SUBSECTION 303-5.4.2 OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS THESE NOTES. JOINTS SHALL BE CONSTRUCTED 3/8-INCH WIDE USING ONE PIECE OF PREFORM JOINT FILLER INSTALLED FORM BOTTOM OF SLAB TO WITHIN 1-INCH OF CONCRETE SURFACE. T RESULTING RESERVOIR SHALL BE FILLED WITH JOINT SEALANT TO WITHIN 1/4-INCH OF CONCRET
BE AT	6.	MATERIALS AND METHODS. GRATED CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN DETAIL SHOWN HEREON.		SURFACE AS SOON AFTER COMPLETION OF THE CURING PERIOD AS IS POSSIBLE. JOINTS SHAL CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURING COMPOUNDS, AND SHAL SURFACE-DRY WHEN SEALANT IS INSTALLED. LONGITUDINAL REINFORCING BARS SHALL BE INTERRUPTED 3 INCHES CLEAR OF EXPANSION JOINTS AND MINIMUM 14-INCH LONG #5 SMOOTH
NAGE AND 0.10	7.	QUALITY REVIEW AND REPORTING MEASUREMENTS.		DOWELS INSTALLED ACROSS, AND CENTERED ON, THE JOINT. ONE-HALF (ONE END) OF THE DO SHALL BE INSTALLED WITHIN A "SPEED DOWEL" TUBE WITH A 1-INCH GAP BETWEEN THE END OF DOWEL AND THE SEALED END OF THE TUBE. DOWELS SHALL BE CENTERED VERTICALLY IN THE
		A. CONTRACTOR SHALL REQUEST INSPECTION BY ENGINEER OF WORK AFTER INSTALLATION AND ASSEMBLY OF STORM DRAINAGE PIPING, BUT BEFORE COVERING.		CONCRETE AND A MINIMUM OF 3 INCHES CLEAR HORIZONTALLY OF ANY REBAR. JOINT LOCATIO SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJUSTED AS NECESSARY AND ALIGN WITH THOSE ALREADY AND ALIGN WITH THOSE ALREADY AND ALIGN WITH THOSE ALLEADY ALIGN WITH THE ALIGN
URFACE LOCATION		B. CONTRACTOR SHALL REQUEST INSPECTION BY ENGINEER OF WORK AFTER FORMING AND PLACING REINFORCING STEEL FOR CAST-IN-PLACE DRAINAGE STRUCTURES, BUT BEFORE SCHEDULING THE CONCRETE POUR.	14.	ADJACENT (CONTIGUOUS) FEATURES. ALONG CORVES AND THROUGH WALK RETURNS, JOINTS SHALL BE RADIAL. ALL EXISTING AND PROPOSED VALVE AND UTILITY BOXES AND MANHOLE FRAMES AND COVERS S BE ADJUSTED TO FINISH GRADE.
N ACCORDANCE		C. WITHIN TEN (10) WORKING DAYS OF COMPLETION OF THE STORM DRAIN SYSTEM AND BEFORE CONSTRUCTION OF PAVEMENT, WALKWAYS AND OTHER PERMANENT SURFACE IMPROVEMENTS, CONTRACTOR SHALL PROVIDE A CONSTRUCTION RECORD DRAWING OF THE SYSTEM TO INCLUDE TOP OF GRATE OR COVER AND INLET AND OUTLET INVERT ELEVATIONS OF ALL STORM DRAIN STRUCTURES. ELEVATION MEASUREMENTS SHALL BE ACCURATE TO 0.01 FEET.	10.	 A. WATER SHALL BE CONDUCTED TO REVIEW SURFACE DRAINAGE, AS FOLLOWS: A. WATER SHALL BE SUPPLIED AND DISCHARGED IN SUFFICIENT QUANTITY TO COMPLETELY WET COVER ALL PAVEMENT AND CONCRETE GUTTER AREAS; THE OUTLINE LIMITS OF RESIDUAL STANDING/PONDED WATER SHALL THEN BE MARKED B. CONCRETE IMPROVEMENTS SHALL BE REMOVED AND REPLACED, AT NO ADDITIONAL COST TO OWNER. AS NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING
TECHNICAL BLE SOIL INICAL ENGINEER		D. UPON COMPLETION OF CONSTRUCTION OF THE STORM DRAIN SYSTEM AND WITH 48 HOURS NOTICE TO ENGINEER OF WORK, CONTRACTOR SHALL THOROUGHLY CLEAN AND WASH DOWN ALL INLETS AND STORM DRAIN PIPING USING FIRE HYDRANT FLOWS.		WATER ON PAVEMENT SURFACES AND IN GUTTERS C. ADDITIONAL FLOOD TESTING SHALL BE CONDUCTED TO CONFIRM SUCCESS OF CORRECTIVE MEASURES. D. WHERE SAWCUT LINE IS CONSTRUCTED ALONG CONFORM LINE WITH EXISTING A.C. PAVEMENT
ER AND THE I SUITABLE	<u>SE</u> 1.	WER NOTES: ALL PUBLIC SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND WITH THE PROJECT SPECIFIC AND STANDARD REQUIREMENTS AND STANDARD DRAWINGS OF THE GOVERNING AGENCY		CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF THE PAVEMENT ALONG AND BEHIND THE SAWCUT LINE DURING CONSTRUCTION; IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NI CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE BEHIND ORIGINA SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND/OR IRREGULARITY ALONG THE CONFOR
DRY	2.	ALL PRIVATE SEWER MATERIALS AND CONSTRUCTION, INCLUDING BUILDING SEWERS, SHALL COMPLY WITH THE UNIFORM PLUMBING CODE. CURRENT EDITION, AND WITH THE GOVERNING AGENCY CODE	۵۵	
R COMPLIANCE	3.	ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF CRITERIA	1.	UNLESS MODIFIED OR OTHERWISE SPECIFIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEF
HAN 95% OF % OF MAXIMUM	4.	GRAVITY SEWER CONSTRUCTION SHALL BEGIN AT THE LOWEST POINT OF DISCHARGE AND PROCEED		SHALL BE IN ACCORDANCE WITH THE <u>STANDARD SPECIFICATIONS FOR PUBLIC WORKS</u> <u>CONSTRUCTION (SSPWC)</u> , CURRENT EDITION PER LOCATION.
E COMPACTED TO D FOR ST REVISION,	5.	UPSTREAM. CONTRACTOR SHALL MAINTAIN RECORDS OF THE EXACT LOCATIONS AND DEPTHS OF ALL SEWER MANHOLES CLEANOUTS, MAIN STUBS, AND LATERALS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION-RECORD DRAWINGS. SAID RECORD SHALL BE DELIVERED TO THE DEVELOPER'S	2.	ASPHALT CONCRETE SHALL BE IN CONFORMANCE WITH SECTION 203-6, OF THE STANDARD SPECIFICATIONS AND SHALL BE C2-PG 64-10-RAP FOR A SINGLE LAYING COURSE UP TO A THICKN NOT EXCEEDING 0.25-FEET IN COMPACTED THICKNESS. IF TOTAL ASPHALT CONCRETE THICKNES GREATER THAN 0.25-FEET (3 INCHES), IT SHALL BE SPREAD AND COMPACTED IN AT LEAST TWO (2 LAYERS WITH THE TOP LAYER (FINISH COURSE) NOT EXCEEDING 0.20-FEET IN COMPACTED
INITIAL (PIPE	6.	ENGINEER PRIOR TO ACCEPTANCE OF THE WORK BY THE GOVERNING AGENCY. ALL SEWER MANHOLE AND CLEAN-OUT RIMS SHALL BE ADJUSTED TO FINISH GRADE IN PAVED AREAS.		THICKNESS AS FOLLOWS: FINISH COURSE: C2-PG 64-10 BASE COURSE: B-PG 64-10 OVERLAY: C2-PG-64-10
AREA AND	W	ATER NOTES:		AND SKIN PATCHING: D2-PG-64-10 PAVING ASPHALT SHALL BE GRADE PG64-10 IN CONFORMANCE WITH SECTION 203-1 OF THE
TRACTOR SHALL SUB-SURFACE CLUDING THE WITH MAKING	1.	ALL PUBLIC WATER LINE MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND WITH THE PROJECT SPECIFIC AND STANDARD REQUIREMENTS AND STANDARD DRAWINGS OF THE GOVERNING AGENCY.	3.	STANDARD SPECIFICATIONS. NO RECYCLED ASPHALT SHALL BE INCORPORATED INTO THE A.C. M BEFORE PAVING, A PAINT BINDER (TACK COAT) OF ASPHALTIC EMULSION SHALL BE APPLIED TO A EXISTING VERTICAL SURFACES AGAINST WHICH PAVING IS TO BE PLACED AND BETWEEN PAVEM COURSES CONSTRUCTED MORE THAN 24 HOURS APART.
	2.	ALL PRIVATE WATER LINE MATERIALS AND CONSTRUCTION, INCLUDING SERVICE LATERALS, SHALL COMPLY WITH THE UNIFORM PLUMBING CODE, CURRENT EDITION, AND WITH THE GOVERNING AGENCY CODE.	4.	THE COMPOSITION OF ALL CUTBACK AND EMULSIFIED ASPHALT USED IN THE MANUFACTURE, PLACEMENT OR MAINTENANCE OF ASPHALT CONCRETE PAVEMENT SHALL CONFORM WITH THE A POLLUTION CONTROL DISTRICT RULE 329. CONTRACTOR SHALL MAINTAIN RECORDS AVAILABLE INSPECTION FOR A PERIOD OF 2 YEARS WHICH DOCUMENT THE TYPES AND AMOUNTS OF ASPHA
VEMENT IS	3.	ALL WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF	5.	USED. BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE IN CONFORMANCE WITH 200-2.2 OF THE

- CONTRACTOR SHALL MAINTAIN RECORDS OF THE EXACT LOCATIONS OF ALL WATER VALVES, METERS, MAIN STUBS, AND LATERALS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION-RECORD DRAWINGS. SAID RECORD SHALL BE DELIVERED TO THE DEVELOPER'S ENGINEER PRIOR TO ACCEPTANCE OF THE WORK BY THE GOVERNING AGENCY.
- 5. ALL WATER METER BOXES AND VALVE BOX RIMS SHALL BE ADJUSTED TO FINISH GRADE IN PAVED ARFAS

CRITERIA FOR SEPARATION OF WATER MAINS AND SANITARY SEWERS.

PRIOR TO ALLOWING WATER MIXING FROM THE MUNICIPAL SOURCE NEW AND REPLACED PUBLIC WATER MAINS SHALL BE DISINFECTED TO THE STANDARD PROVIDED IN THE AMERICAN WATER WORKS ASSOCIATION STANDARD C651-14 FOR DISINFECTING WATER MAINS.

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STANDARD SPECIFICATIONS

THE GEOTECHNICAL ENGINEER.

BE ADJUSTED TO FINISH GRADE

STANDING/PONDED WATER SHALL THEN BE MARKED

PAVEMENT SURFACES AND IN GUTTERS

ENGINEER.

FOLLOWS.

MEASURES.

DINGS, PRIVATE ROADWAY MATERIALS AND CONSTRUCTION DARD SPECIFICATIONS FOR PUBLIC WORKS

SE COURSES AS WELL AS ALL TRENCH BEDDING AND ED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY TRUCTURES, AND PAVEMENT SHALL BE CLASS 560-A-3250.

- .0%, FORM ELEVATIONS SHALL BE CONFIRMED BY BILLET STEEL CONFORMING TO ASTM A 615. STEEL THE REQUIREMENTS OF MANUAL OF STANDARD PRACTICE
- NSTITUTE. BENDING OR STRAIGHTENING SHALL BE NOT BE DAMAGED. KINKED BARS SHALL NOT BE USED. ONTRACTION) JOINTS SHALL BE CONSTRUCTED AT REGULAR CH WAY (LONGITUDINAL AND TRANSVERSE) AND AT ED FOR IN THE FIELD JOINTS SHALL BE CONSTRUCTED C AS MODIFIED BY THE PLAN DETAILS AND THESE NOTES. THROUGH JOINTS. DEPTH OF JOINTS SHALL BE 1/4 SLAB
- 6-INCH SLAB). JOINTS SHALL BE CONSTRUCTED BY NCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SAWING OURS AFTER PLACEMENT). JOINTS SHALL BE FILLED WITH JIVALENT COLOR LIMESTONE GRAY) AS SOON AFTER S IS FEASIBLE AND BEFORE PAVEMENT IS OPENED TO ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURING RY WHEN SEALANT IS INSTALLED. JOINT LOCATIONS SHALL WITH THOSE ALREADY CONSTRUCTED IN EXISTING
- CTED AT LOCATIONS CALLED FOR ON THE PLANS. JOINTS ION 303-5.4.2 AS MODIFIED BY THE PLAN DETAILS AND THESE 1/2-INCH WIDE USING ONE PIECE OF PREFORMED JOINT AB TO WITHIN 1" OF CONCRETE SURFACE. THE RESULTING SEALANT TO WITHIN 1/4" OF CONCRETE SURFACE AS SOON RIOD AS IS FEASIBLE AND BEFORE PAVEMENT IS OPENED TO ALL FOREIGN MATERIAL. INCLUDING MEMBRANE CURING Y WHEN SEALANT IS INSTALLED. REINFORCING BARS SHALL PANSION JOINTS AND MINIMUM 14-INCH LONG SMOOTH RED ON, THE JOINT. DOWEL DIAMETER SHALL BE 1/8 SLAB 8 6" SLAB) ONE-HALE (ONE END) OF THE DOWEL SHALL BE BE WITH A 1-INCH GAP BETWEEN THE END OF THE DOWEL WELS SHALL BE INSTALLED AT 12 INCHES ON CENTER VERTICALLY, AND A MINIMUM OF 3 INCHES CLEAR OF ANY JSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONTIGUOUS) FEATURES SUCH AS CURBS AND GUTTERS.
- CONTROL JOINTS SHALL BE CONSTRUCTED AT REGULAR RECTLY ABOVE DRAIN PIPES THAT OUTLET THROUGH CURB BE CALLED FOR ON THE PLANS. JOINTS SHALL BE .3 PARAGRAPH B OF THE SSPWC AS MODIFIED BY THE PLAN MENT SHALL BE CONTINUOUS THROUGH JOINTS. JOINT ESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN TURES. ALONG CURVES AND WALK RETURNS, JOINTS
- BE CONSTRUCTED AT BCR, ECR, AND AT REGULAR ONG EDGES OF DRIVEWAYS, WHEELCHAIR RAMPS, AND HYDRANT, LIGHT STANDARD, UTILITY POLE, DRAIN INLET, TAINING WALL, BUILDING WALL, ETC.); AT ADDITIONAL THE PLANS. EXPANSION JOINTS SHALL NOT BE FTER WHICH IS SEPARATE FROM CURB. JOINTS SHALL BE 4.2 OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS AND RUCTED 3/8-INCH WIDE USING ONE PIECE OF PREFORMED
- OF SLAB TO WITHIN 1-INCH OF CONCRETE SURFACE. THE WITH JOINT SEALANT TO WITHIN 1/4-INCH OF CONCRETE OF THE CURING PERIOD AS IS POSSIBLE. JOINTS SHALL BE CLUDING MEMBRANE CURING COMPOUNDS, AND SHALL BE ED. LONGITUDINAL REINFORCING BARS SHALL BE
- NSION JOINTS AND MINIMUM 14-INCH LONG #5 SMOOTH ERED ON, THE JOINT, ONE-HALF (ONE END) OF THE DOWEL OWEL" TUBE WITH A 1-INCH GAP BETWEEN THE END OF THE JBE. DOWELS SHALL BE CENTERED VERTICALLY IN THE CLEAR HORIZONTALLY OF ANY REBAR. JOINT LOCATIONS ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING LONG CURVES AND THROUGH WALK RETURNS, JOINTS
- UTILITY BOXES AND MANHOLE FRAMES AND COVERS SHALL /EMENT AND APPURTENANT CONCRETE FEATURES. A
- VIEW SURFACE DRAINAGE. AS FOLLOWS: RGED IN SUFFICIENT QUANTITY TO COMPLETELY WET AND UTTER AREAS; THE OUTLINE LIMITS OF RESIDUAL
- EMOVED AND REPLACED, AT NO ADDITIONAL COST TO THE SITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF
- ONDUCTED TO CONFIRM SUCCESS OF CORRECTIVE ALONG CONFORM LINE WITH EXISTING A.C. PAVEMENT, IT IS FECT THE INTEGRITY OF THE PAVEMENT ALONG AND TRUCTION; IF THIS PAVEMENT IS BROKEN-OFF OR VEMENT IS PLACED. CONTRACTOR SHALL SAWOUT A NEW
- ENGTH OF, AND SUFFICIENT DISTANCE BEHIND ORIGINAL VEMENT AND/OR IRREGULARITY ALONG THE CONFORM
- FIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEREON DINGS, PRIVATE ROADWAY MATERIALS AND CONSTRUCTION DARD SPECIFICATIONS FOR PUBLIC WORKS
- RMANCE WITH SECTION 203-6, OF THE STANDARD 0-RAP FOR A SINGLE LAYING COURSE UP TO A THICKNESS THICKNESS. IF TOTAL ASPHALT CONCRETE THICKNESS IS IALL BE SPREAD AND COMPACTED IN AT LEAST TWO (2) IRSE) NOT EXCEEDING 0.20-FEET IN COMPACTED
- 0 IN CONFORMANCE WITH SECTION 203-1 OF THE ED ASPHALT SHALL BE INCORPORATED INTO THE A.C. MIX. OAT) OF ASPHALTIC EMULSION SHALL BE APPLIED TO ALL
- /HICH PAVING IS TO BE PLACED AND BETWEEN PAVEMENT EMULSIFIED ASPHALT USED IN THE MANUFACTURE, LT CONCRETE PAVEMENT SHALL CONFORM WITH THE AIR CONTRACTOR SHALL MAINTAIN RECORDS AVAILABLE FOR
- HICH DOCUMENT THE TYPES AND AMOUNTS OF ASPHALTS
- THE PRELIMINARY ESTIMATED ASPHALT PAVEMENT STRUCTURAL SECTION IS AS SHOWN ON THE PLAN DETAILS AND CONSTRUCTION NOTES. ACTUAL THICKNESS OF PAVEMENT SURFACING AND BASE COURSES SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AFTER COMPLETION OF ROUGH GRADING BASED ON "R"-VALUE TESTS OF COMPLETED SUBGRADE MATERIAL AND THE TRAFFIC INDEXES (T.I.'S) SHOWN ON THE PLAN DETAILS, SUBJECT TO APPROVAL BY THE ENGINEER. PREPARATION OF AREAS TO RECEIVE PAVEMENT AND APPURTENANT CONCRETE IMPROVEMENTS INCLUDING REMOVAL AND RECOMPACTION OF EXISTING SOIL AND PLACEMENT OF FILL SOIL, SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. DURING PAVING OPERATIONS.
- STRUCTURAL SECTION COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL COMPACTION OF FILL, SUBGRADE AND BASE COURSES AS WELL AS ALL TRENCH BEDDING AND BACKFILL SHALL BE OBSERVED AND TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY
- 8. ALL EXISTING AND PROPOSED VALVE AND UTILITY BOXES AND MANHOLE FRAMES AND COVERS SHALL 9. AFTER CONSTRUCTION A FLOOD TEST SHALL BE CONDUCTED TO REVIEW SURFACE DRAINAGE, AS
- A. WATER SHALL BE SUPPLIED AND DISCHARGED IN SUFFICIENT QUANTITY TO COMPLETELY WET AND COVER ALL PAVEMENT AND CONCRETE GUTTER AREAS; THE OUTLINE LIMITS OF RESIDUAL
- B. PAVEMENT SHALL BE REMOVED AND REPLACED. AT NO ADDITIONAL COST TO THE OWNER, AS NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF WATER ON
- C. ADDITIONAL FLOOD TESTING SHALL BE CONDUCTED TO CONFIRM SUCCESS OF CORRECTIVE D. WHERE SAWCUT LINE IS CONSTRUCTED ALONG CONFORM LINE WITH EXISTING A.C. PAVEMENT, IT IS CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF THE PAVEMENT ALONG AND BEHIND THE SAWCUT LINE DURING CONSTRUCTION; IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH FULL LENGTH OF AND SUFFICIENT DISTANCE BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND/OR IRREGULARITY ALONG THE CONFORM

SANTA BARBARA COUNTY BUILDING & SAFETY DIVISION GRADING NOTES:

- IED BY THE CONSTRUCTION NOTES THAT FOLLOW HEREON 1. ALL GRADING SHALL CONFORM TO SANTA BARBARA COUNTY CODE CHAPTER 14 AND STANDARDS AND REQUIREMENTS PERTAINING THERETO, THESE CONSTRUCTION DRAWINGS AND THE RECOMMENDATIONS OF THE SOILS ENGINEER AND ENGINEERING GEOLOGIST.
 - CONTRACTOR TO NOTIFY THE COUNTY GRADING INSPECTOR AND SOILS LABORATORY AT LEAST 48 HOURS BEFORE START OF GRADING WORK OR ANY PRE-CONSTRUCTION MEETING.
 - CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY. CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM HIS GRADING OPERATION.
 - BEFORE BEGINNING WORK REQUIRING EXPORTING OR IMPORTING OF MATERIALS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM PUBLIC WORKS ROAD DIVISION FOR HAUL ROUTES USED AND METHODS PROVIDED TO MINIMIZE THE DEPOSIT OF SOILS ON COUNTY ROADS. GRADING/ROAD INSPECTORS SHALL MONITOR THIS REQUIREMENT WITH THE CONTRACTOR.
 - THE GEOTECHNICAL ENGINEER SHALL PROVIDE OBSERVATION AND TESTING DURING GRADING OPERATIONS IN THE FIELD AND SHALL SUBMIT A FINAL REPORT STATING THAT ALL EARTH WORK WAS PROPERLY COMPLETED AND IS IN SUBSTANTIAL CONFORMANCE WITH THE REQUIREMENTS OF THE GRADING ORDINANCE.
 - AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION INCLUDING ROOTS AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL. THEN SCARIFIED TO A DEPTH OF 6" PRIOR TO PLACING OF ANY FILL. CALL GRADING INSPECTOR FOR INITIAL INSPECTION.
 - A THOROUGH SEARCH SHALL BE MADE FOR ALL ABANDONED MAN-MADE FACILITIES SUCH AS SEPTIC TANK SYSTEMS, FUEL OR WATER STORAGE TANKS, AND PIPELINES OR CONDUITS. ANY SUCH FACILITIES ENCOUNTERED SHALL BE REMOVED AND THE DEPRESSION PROPERLY FILLED AND COMPACTED UNDER OBSERVATION OF THE GEOTECHNICAL ENGINEER.
 - AREAS WITH EXISTING SLOPES WHICH ARE TO RECEIVE FILL MATERIAL SHALL BE KEYED AND BENCHED. THE DESIGN AND INSTALLATION OF THE KEYWAY SHALL BE PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATION OR PER COUNTY STANDARD DETAIL NO. G-13.
 - FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 6" IN COMPACTED THICKNESS MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY 1957 ASTM D - 1557 - 91 MODIFIED PROCTOR (AASHO) TEST OR SIMILAR APPROVED METHODS. SOME FILL AREAS MAY REQUIRE COMPACTION TO A GREATER DENSITY IF CALLED FOR IN THE CONSTRUCTION DOCUMENTS. SOIL TESTS SHALL BE CONDUCTED AT NOT LESS THAN ONE TEST FOR EACH 18" OF FILL AND/OR FOR EACH 500 CUBIC YARDS OF FILL PLACED.
 - CUT SLOPES SHALL NOT EXCEED A GRADE OF 1 ½ HORIZONTAL TO 1 VERTICAL. FILL AND COMBINATION FILL AND CUT SLOPES SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL. SLOPES OVER THREE FEET IN VERTICAL HEIGHT SHALL BE PLANTED WITH APPROVED PERENNIAL OR TREATED WITH EQUALLY APPROVED EROSION CONTROL MEASURES PRIOR TO FINAL INSPECTION.
 - SURFACE DRAINAGE SHALL BE PROVIDED AT A MINIMUM OF 5% FOR 10 FEET AWAY FROM THE FOUNDATION LINE OR ANY STRUCTURE.
 - ALL TREES THAT ARE TO REMAIN ON SITE SHALL BE TEMPORARILY FENCED AND PROTECTED AROUND THE DRIP LINE DURING GRADING.
 - 13. AN EROSION AND SEDIMENT CONTROL PLAN SHALL BE REQUIRED AS PART OF THE GRADING PLAN AND PERMIT REQUIREMENTS.
 - 14. "BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES: ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. 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 MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM, PROVISIONS MUST BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED AS A SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED WASTE RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIAL MAY NOT BE TRACKED FROM TO THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY, ACCIDENTAL DEPOSITION MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO
 - MINIMIZE EROSION BY WIND AND WATER." 15. IF GRADING OCCURS DURING NOV 1 THROUGH APR 15, NO GRADING SHALL OCCUR UNLESS APPROVED EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE. DISCHARGES OF SEDIMENT FROM THE PROJECT SITE MAY RESULT IN A STOP WORK ORDER"
 - 16. ALL EARTHWORK ON HILLSIDES, SLOPING OR MOUNTAINOUS TERRAIN SHALL BE STABILIZED TO PROTECT AND PREVENT LOSS OF SOILS, AS NECESSARY, YEAR-ROUND.
 - APPLICABLE DESIGN STANDARDS: SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD CONDITIONS OF PROJECT PLAN APPROVAL.
 - SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION ENGINEERING DESIGN STANDARDS AND DETAILS
 - 3. CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT CONSTRUCTION STANDARD DETAILS.

USE OF PLANS:

THIS DRAWING IS PROVIDED IN AN ELECTRONIC FORMAT AS A COURTESY, IF REQUESTED BY THE USER. THE DELIVERY OF THE ELECTRONIC FILE DOES NOT CONSTITUTE THE DELIVERY OF OUR PROFESSIONAL WORK PRODUCT. THE SIGNED HARD COPY PREPARED FOR THE PROJECT CONSTITUTES OUR PROFESSIONAL WORK PRODUCT AND THE HARD COPY MUST BE REFERRED TO FOR THE CORRECT DESIGN INFORMATION. THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS, INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE. OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE. USER AGREES TO INDEMNIFY AND HOLD HARMLESS ASHLEY & VANCE FOR ALL COSTS AND DAMAGES IF USED.

USE OF ELECTRONIC INFORMATION:

ELECTRONIC INFORMATION MAY BE PROVIDED BY THE ENGINEER FOR CONVENIENCE; UNDER NO CIRCUMSTANCES SHALL DELIVERY OF ELECTRONIC FILES FOR USE BY OTHERS BE DEEMED A SALE BY THE ENGINEER AND THE ENGINEER MAKES NO WARRANTIES. EITHER EXPRESS OR IMPLIED. OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL THE ENGINEER BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES AS A RESULT OF THE USE OR REUSE OF THE ELECTRONIC FILES BY OTHERS.

ELECTRONIC INFORMATION IS INTENDED TO PROVIDE INFORMATION SUPPLEMENTAL AND SUBORDINATE TO THE CONSTRUCTION CONTRACT DOCUMENTS. LAYOUT AND CONSTRUCTION OF PROJECT ELEMENTS SHALL BE BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS WHICH SHALL CONTROL OVER ELECTRONIC INFORMATION. USER IS RESPONSIBLE FOR CONFIRMING LOCATION OF PROPOSED IMPROVEMENTS BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE CONSTRUCTION CONTRACT DOCUMENTS; INCONSISTENCIES BETWEEN THE ELECTRONIC INFORMATION AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION.

PROJECT ELEMENTS SUCH AS MANHOLES, CATCH BASINS, UTILITY VAULTS, VALVE ASSEMBLIES, STAIRS, RAMPS, WALLS, ETC. ARE SHOWN SCHEMATICALLY IN THE ELECTRONIC INFORMATION AND CONSTRUCTION OF THESE ELEMENTS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION NOTES. AND DETAILS PRESENTED OR REFERENCED IN THE SIGNED AND SEALED CONSTRUCTION CONTACT DOCUMENTS. IMPROVEMENTS CONSTRUCTED BASED ON ELECTRONIC INFORMATION AND IN CONFLICT WITH THE DRAWING DIMENSIONS DETAILS, AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE REMOVED AND CONSTRUCTED IN THE PROPER LOCATION AND DIMENSIONS AT CONTRACTOR'S SOLE EXPENSE.

DIGITAL DRAWINGS ARE TYPICALLY A COMPILATION OF DRAWINGS FROM A NUMBER OF SOURCES AND, AS SUCH THERE IS INFORMATION IN THE FLECTRONIC FILE ISSUED BY THE ENGINEER THAT WAS NOT DEVELOPED BY THE ENGINEER AND IS NOT AUTHORIZED BY THE ENGINEER FOR USE BY OTHERS. ELECTRONIC INFORMATION PROVIDED BY THE ENGINEER SHALL ONLY BE APPLICABLE FOR IMPROVEMENTS DESIGNED BY THE ENGINEER AND WHICH ARE SPECIFICALLY DESIGNATED BY CONSTRUCTION NOTES AND/OR DETAILS ON THE SIGNED AND SEALED CONTRACT DOCUMENTS.

IF DIGITAL FILES ARE OBTAINED WITH THE INTENT TO USE THEM FOR PROJECT STAKING, THEY SHALL ONLY BE USED BY A QUALIFIED ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA. DIGITAL INFORMATION SHALL ONLY BE USED FOR STAKING HORIZONTAL LOCATION OF PROPOSED IMPROVEMENTS AFTER IT HAS BEEN CONFIRMED WITH THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS.

THE DIGITAL DRAWINGS ARE NOT INTENDED TO BE USED DIRECTLY FOR CONTROL OF CONTRACTOR'S GRADING OPERATIONS WITHOUT STAKING BY ENGINEER OR LAND SURVEYOR. THE INTERSECTION OF PROPOSED CUT AND FILL SLOPES WITH EXISTING GRADE IS APPROXIMATE WHERE SHOWN ON THE DRAWINGS AND SHALL BE CONFIRMED BY FIELD STAKING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT SLOPES IN CONFORMANCE WITH THE SPECIFIED AND DETAILED REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS.



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Engineer of Record:

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- 1. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR TREE PROTECTION INFORMATION.
- 2. SEE PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR PROPOSED UTILITY SERVICE SIZES AND SPECIFICATIONS.
- 3. CONTRACTOR TO CONFIRM SIZE AND CONDITION OF EXISTING UTILITY SERVICES PRIOR TO CONNECTION TO PROPOSED UTILITY SERVICES.
- 4. TREE PROTECTION SHOWN FOR REFERENCE, SEE TREE PROTECTION REPORT FOR SPECIFIC INFORMATION REGARDING TREE PROTECTION.
- 5. EXISTING UTILITY LOCATIONS ARE COMPILED FROM RECORD INFORMATION AND ARE APPROXIMATE.

PROTECTION NOTES:

PROTECT EXISTING TREE IN PLACE AND PROVIDE CONSTRUCTION FENCING PER TREE PROTECTION REPORT.

DEMOLITION NOTES:

- 1 EXISTING FENCE TO BE REMOVED.
- 2 EXISTING TREE TO BE REMOVED. SIZE AND TYPE PER PLAN.
- 3 EXISTING VEHICLE GATE TO BE REMOVED.

SITE CONSTRUCTION NOTES:

- WIDEN EXISTING A.C. PAVEMENT DRIVEWAY. GRIND AND OVERLAY 1 EXISTING A.C. PAVING AT JOIN CONDITION BETWEEN NEW AND EXISTING A.C. PAVEMENT.
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STORM DRAIN CONSTRUCTION NOTES:

- (SD1) CONSTRUCT CUTOFF WALL.
- (SD2) INSTALL CULVERT PIPE BENEATH DRIVEWAY.
- (SD3) INSTALL AREA DRAIN.

HORIZONTAL SCALE: 1" = 20'



UNDERGROUND SERVICE ALERT



Phone Ext.: 12

Phone Ext.: 16

Scale: PER PLAN

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TEMPORARY BYPASS TRAIL



UNDERGROUND SERVICE ALERT



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UNDERGROUND SERVICE ALERT







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TEMPORARY BYPASS TRAIL







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GENERAL NOTES:

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UNDERGROUND SERVICE ALERT





- 1. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR TREE PROTECTION INFORMATION.
- 2. SEE PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR PROPOSED UTILITY
- 3. CONTRACTOR TO CONFIRM SIZE AND CONDITION OF EXISTING UTILITY SERVICES PRIOR TO CONNECTION TO PROPOSED UTILITY SERVICES.
- 4. TREE PROTECTION SHOWN FOR REFERENCE, SEE TREE PROTECTION REPORT FOR SPECIFIC INFORMATION REGARDING TREE PROTECTION.
- 5. EXISTING UTILITY LOCATIONS ARE COMPILED FROM RECORD INFORMATION AND ARE

PROTECT EXISTING TREE IN PLACE AND PROVIDE CONSTRUCTION FENCING PER TREE PROTECTION REPORT.

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UNDERGROUND SERVICE ALERT

SITE KEY

STORM DRAIN CONSTRUCTION NOTES:

- (SD2) INSTALL CULVERT PIPE BENEATH DRIVEWAY.







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	2. SEE PLUMBING, MECHANICAL A SERVICE SIZES AND SPECIFICA	ND ELECTRICAL PLANS FOR PROPOSED UTILITY TIONS.	Cota St Cota St) 962-9
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	3 EXISTING VEHICLE GATE T	O BE REMOVED.	- Contraction of the second seco
	SITE CONSTRUCTION NOT	TES:	c c l <
	 WIDEN EXISTING A.C. PAVE EXISTING A.C. PAVING AT J A.C. PAVEMENT. 	EMENT DRIVEWAY. GRIND AND OVERLAY OIN CONDITION BETWEEN NEW AND EXISTING	Plan P
	2 CONSTRUCT CONCRETE D	RIVEWAY.	The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to
	(3) CONSTRUCT A.C. PAVEMEN	NT DRIVEWAY.	such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and
	(4) CONSTRUCT GRADE BEAM	l.	Inc. without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence
	5 CONSTRUCT RETAINING W	ALL.	of the acceptance of these restrictions.
	6 CONSTRUCT CONCRETE C	URB.	Engineer of Record:
	(7) CONSTRUCT HIKING PATH.		PROFESSION
	8 CONSTRUCT FIRE HYDRAN	IT.	
	(9) 2:1 CUT SLOPE PER GEOTE	ECHNICAL RECOMMENDATION.	
	(10) CONSTRUCT STEEL FRAME	E BRIDGE WITH ASPHALT ROAD SURFACING.	6,65701 ₩75 Exp.09/30/21 ₩ C V V
	(1) CONSTRUCT DOUBLE CHIP	P-SEAL ON ASPHALT ALONG TRAIL LIMITS.	P P P OF CALIFOR
	(12) CONSTRUCT WIRE MESH S RECOMMENDATION.	TABILIZATION SYSTEM PER GEOTECHNICAL	<i>P</i> -
	(13) INSTALL VEGETATIVE FILTE	ER STRIP.	

STORM DRAIN CONSTRUCTION NOTES:

- (SD1) CONSTRUCT CUTOFF WALL.
- (SD2) INSTALL CULVERT PIPE BENEATH DRIVEWAY.
- (SD3) INSTALL AREA DRAIN.



UNDERGROUND SERVICE ALERT



C-1.8





- 1. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR TREE PROTECTION INFORMATION.
- 2. SEE PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR PROPOSED UTILITY SERVICE SIZES AND SPECIFICATIONS.
- 3. CONTRACTOR TO CONFIRM SIZE AND CONDITION OF EXISTING UTILITY SERVICES PRIOR TO CONNECTION TO PROPOSED UTILITY SERVICES.
- 4. TREE PROTECTION SHOWN FOR REFERENCE, SEE TREE PROTECTION REPORT FOR SPECIFIC INFORMATION REGARDING TREE PROTECTION.
- 5. EXISTING UTILITY LOCATIONS ARE COMPILED FROM RECORD INFORMATION AND ARE APPROXIMATE.

PROTECTION NOTES:

PROTECT EXISTING TREE IN PLACE AND PROVIDE CONSTRUCTION FENCING PER TREE PROTECTION REPORT.

DEMOLITION NOTES:

- 1 EXISTING FENCE TO BE REMOVED.
- 2 EXISTING TREE TO BE REMOVED. SIZE AND TYPE PER PLAN.
- 3 EXISTING VEHICLE GATE TO BE REMOVED.

SITE CONSTRUCTION NOTES:

- WIDEN EXISTING A.C. PAVEMENT DRIVEWAY. GRIND AND OVERLAY 1 EXISTING A.C. PAVING AT JOIN CONDITION BETWEEN NEW AND EXISTING A.C. PAVEMENT.
- 2 CONSTRUCT CONCRETE DRIVEWAY.
- (3) CONSTRUCT A.C. PAVEMENT DRIVEWAY.
- (4) CONSTRUCT GRADE BEAM.
- 5 CONSTRUCT RETAINING WALL.
- 6 CONSTRUCT CONCRETE CURB.
- (7) CONSTRUCT HIKING PATH.
- 8 CONSTRUCT FIRE HYDRANT.
- 9 2:1 CUT SLOPE PER GEOTECHNICAL RECOMMENDATION.
- (10) CONSTRUCT STEEL FRAME BRIDGE WITH ASPHALT ROAD SURFACING.
- (1) CONSTRUCT DOUBLE CHIP-SEAL ON ASPHALT ALONG TRAIL LIMITS.
- (12) CONSTRUCT WIRE MESH STABILIZATION SYSTEM PER GEOTECHNICAL RECOMMENDATION.
- (13) INSTALL VEGETATIVE FILTER STRIP.

STORM DRAIN CONSTRUCTION NOTES:

- (SD1) CONSTRUCT CUTOFF WALL.
- (SD2) INSTALL CULVERT PIPE BENEATH DRIVEWAY.
- (SD3) INSTALL AREA DRAIN.





Phone Ext.: 1

Phone Ext.: 16

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G



EXISTING

GRADE

EXISTING

EXISTING

GRADE

WIRE MESH AND

SOIL NAIL

RETAINING

SYSTEM

GRADE

16'

6" CURB -

PROPOSED

_ PROPOSED DRIVEWAY (STRUCTURAL SLAB)

DRIVEWAY

6" CURB

PROPOSED DRIVEWAY

2%

GRADE BEAM

– CAISSON

(STRUCTURAL SLAB)

INLETS

DRAIN

AND -









UNDERGROUND SERVICE ALERT





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