

GENERAL NOTES:

- ALL GRADING SHALL CONFORM TO THE RIVERSIDE MUNICIPAL CODE, TITLE 17 AND OF THE CURRENT CITY-ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.
- ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY **SOILS EXPLORATION COMPANY INC.**, DATED **JANUARY 24, 2014** SHALL BE COMPLIED WITH DURING GRADING OPERATIONS. CITY BUSINESS TAX CERTIF. NO. **0123928**, EXP. DATE **4-30-18**.
- THIS PLAN IS FOR GRADING PURPOSES ONLY AND IS NOT TO BE USED FOR THE PURPOSE OF CONSTRUCTING ON-SITE OR OFF-SITE IMPROVEMENTS. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS, STRUCTURAL SECTIONS OR LAYOUT, ADA-RELATED REQUIREMENTS, BUILDING LOCATIONS OR SIZES, PARKING LOT FOUNDATIONS, WALLS, CURBING, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION ON-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM APPROVED BUILDING PERMIT PLANS. OFF-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM PLANS APPROVED FOR THIS PURPOSE BY THE PUBLIC WORKS DEPARTMENT.
- CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOIL ENGINEER FOR FILL AREAS ARE REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED.
- CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.
 - ALL MANUFACTURED SLOPES IN EXCESS OF 5 FEET IN VERTICAL HEIGHT ARE TO BE PROTECTED FROM EROSION DURING ROUGH GRADING OPERATIONS AND, THEREAFTER, UNTIL INSTALLATION OF FINAL GROUND COVER (SEE LANDSCAPE PLANS FOR FINAL GROUND COVER)
 - ALL SLOPE PROTECTION SWALES TO BE CONSTRUCTED AT THE SAME TIME AS BANKS ARE GRADED.
 - THE DEVELOPER AND HIS CONTRACTOR ARE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN AND SWPPP AND ALSO TO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES (E.G., HYDROSEEDING, MULCHING OF STRAW, SAND BAGGING, DIVERSION DITCHES, RETENTION BASINS, ETC.) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION AND OR THE INTRODUCTION OF DIRT, MUD OR DEBRIS INTO EXISTING PUBLIC STREETS AND/OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION CONTROL MEASURES NOTED ABOVE DURING DURING THE PERIOD OCTOBER 1 TO MAY 31.
 - AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND CHECK DAMS. SILT AND DEBRIS SHALL BE REMOVED FROM CITY OF RIVERSIDE STREETS THIS REQUIREMENT SHALL REMAIN IN EFFECT UNTIL CITY ACCEPTANCE OF THE SUBDIVISION THAT DRAINS ONTO CITY STREETS.
- ANY ON-SITE RETAINING WALLS SHOWN ON THIS PLAN THAT ARE UNDER 3 FEET IN HEIGHT AND SUPPORT A SURCHARGE OR THAT ARE OVER 3 FEET IN HEIGHT REQUIRE SEPARATE REVIEW, APPROVAL AND A BUILDING PERMIT FROM THE BUILDING AND SAFETY DIVISION, COMMUNITY DEVELOPMENT DEPARTMENT. ANY NECESSARY RETAINING WALLS ON THE PERIMETER OF THIS SITE SHALL BE IN PLACE AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO ISSUANCE OF THE GRADING PERMIT. APPROVED SEQUENCED GRADING WITH 1 1/2:1 MAXIMUM SLOPES TO WITHIN 2 FEET OF THE ADJACENT PROPERTY LINE MAY BE ACCEPTABLE TO ALLOW FOR ISSUANCE OF A GRADING PERMIT PRIOR TO COMPLETION OF ANY NECESSARY PERIMETER RETAINING WALLS. (IF NO RETAINING WALLS ARE SHOWN ON THE PLAN, DO NOT PUT THIS NOTE ON PLAN.
- ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE PUBLIC WORKS DEPARTMENT.
- ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).
- THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS DO NOT INTERFERE WITH PROVISION OF UTILITIES.
- IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE, INCLUDING FILL AREAS OUTSIDE THE BUILDING PAD AND ON ALL FILL SLOPES.
- IT IS THE SOIL ENGINEER'S RESPONSIBILITY TO OBSERVE AND PERFORM COMPACTION TESTS DURING THE GRADING TO EVALUATE THE PREPARATION OF THE NATURAL GROUND SURFACE TO RECEIVE THE FILL AND THE COMPACTION ATTAINED IN THE FILL, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
- EARTHWORK QUANTITIES ARE SHOWN FOR GRADING PERMIT PURPOSES ONLY, AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- FOR GRADING OF AREAS OF 1 ACRE OR MORE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON-SITE AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) - SANTA ANA REGION AND/OR THE CITY OF RIVERSIDE.
- GRADING OPERATIONS SHALL BE LIMITED TO BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. ON WEEKDAYS AND BETWEEN 8 A.M. AND 5 P.M. ON SATURDAYS. NO GRADING WILL BE PERMITTED ON SUNDAY OR FEDERAL HOLIDAYS. (RIVERSIDE MUNICIPAL CODE, 7.35.010, ORDINANCE NO 6273)

ENGINEER'S NOTICE TO CONTRACTORS

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITES, THE CITY ENGINEER MAY REQUIRE TEMPORARY UNITE SWALES, ENTERING OR
- ALL AREAS SHALL SLOPE A MINIMUM OF 1.0% TO STREETS, DRIVE OR SWALES UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN HERE ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE TO PERFORM HIS OWN QUANTITIES TAKEOFF.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS; DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF RIVERSIDE AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OF RIVERSIDE OR THE ENGINEER.

NOTE:

ANY EARTHMOVING THAT EXCEEDS THE RELATIVE DEPTH OF FIVE FEET BELOW THE CURRENT SURFACE BE MONITORED FOR PALEONTOLOGICAL SPECIMENS. THE PALEONTOLOGICAL MONITORING PROGRAM SHOULD BE IN CONCURRENCE WITH COUNTY GUIDELINES AND THE WESTERN CENTER, HEMET, PRIOR TO ANY IMPLEMENTATION, A PRIMP (PALEONTOLOGICAL RESOURCE IMPACT MITIGATION PLAN) SHOULD BE PREPARED AND APPROVED.

LEGEND

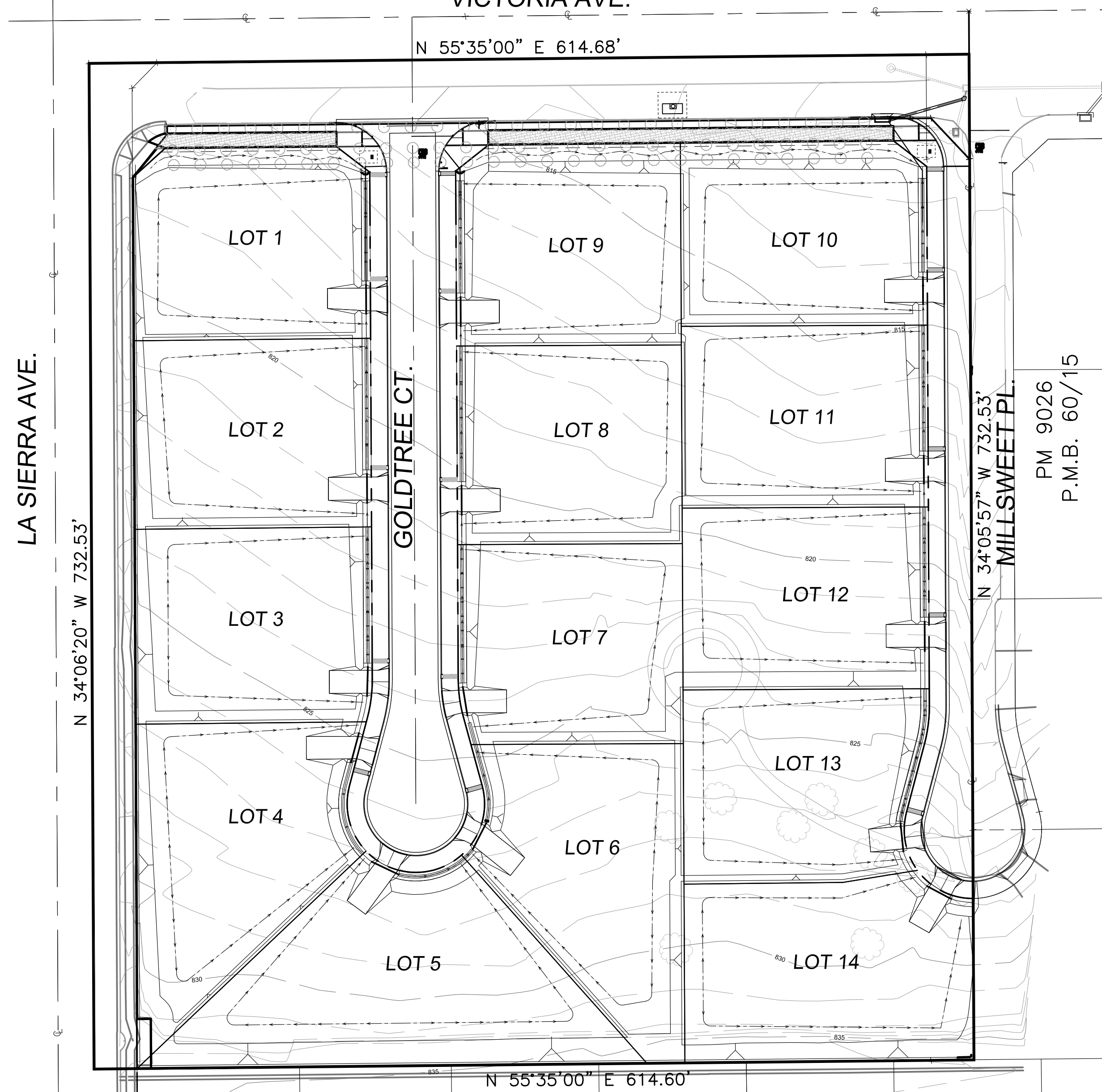
	FLOW LINE	G.B.	= GRADE BREAK	TRW	= TOP OF WALL
	PROPERTY LINE	H.P.	= HIGH POINT	R	= RADIUS
	CENTER LINE	E.P.	= EDGE OF PAVEMENT	T	= TOP OF FOOTING
	EXISTING WATER LINE	D.L.	= DAYLIGHT	(600)	= EXIST. ELEVATION
	EXISTING SANITARY SEWER LINE	G.S.	= GROUND SHOT	800	= PROPOSED ELEVATION
	EXISTING SLOPE	W.V.	= WATER VALVE	FAG	= FINISHED GRADE
	PROPOSED SLOPE	W.M.	= WATER MAIN	FRS	= FINISHED SURFACE
	EXISTING CONTOUR	W.	= WATER METER	CON	= CONTROL JOINT
	PROPOSED CONTOUR	FL	= FLOW LINE	TOE	= TOE OF SLOPE
	PROPOSED BLOCK WALL	F.G.	= FINISHED GRADE	TOP	= TOP OF SLOPE
		IBM	= BENCH MARK	TOP/D.L.	= TOP OF SLOPE/DAYLIGHT
		LSD	= LANDSCAPING	OTC	= TOP OF CURB
		T.G.	= TOP OF GRATE	FF	= FINISHED FLOOR
		INV.	= INVERT ELEVATION		
		A.C.	= ASPHALT CONCRETE		



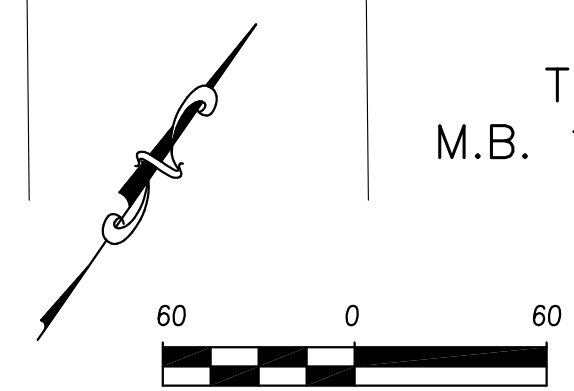
CITY OF RIVERSIDE ROUGH GRADING PLANS

FOR
TRACT NO. 37764

VICTORIA AVE.



TR 9991
M.B. 103/89-91



INDEX MAP

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/19

SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

**CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION**



OWNER AND DEVELOPER:

LA SIERRA VICTORIA DEVELOPMENT LLC
HITESH PATEL
19215 WILD MUSTANG CT.
APPLE VALLEY, CA 92307
(760) 963-3475 PH.

ENGINEERS:

SAKE ENGINEERS, INC.
400 S. RAMONA AVE. STE 202
CORONA, CA 92879
(951) 279-4041 PH.

SOILS ENGINEERS:

SOIL EXPLORATION COMPANY INC
7535 JURUPA AVE. UNIT C
RIVERSIDE, CA 92504
(951) 688-7200 PH.
(951) 688-7100 FAX

ESTIMATED GRADING QUANTITIES:

CUT: 12,500 C.Y.
FILL: 12,500 C.Y.

TOTAL AREA: 9.91 ACRES
DISTURBED AREA: 8.81 ACRES

NOTE:

EARTH QUANTITIES SHOWN HERE ARE FOR RAW ESTIMATING PLAN CHECK FEES ONLY. GRADING CONTRACTOR IS RESPONSIBLE TO PERFORM THEIR OWN CALCULATIONS FOR EARTH VOLUME WITH THE SOIL'S ENGINEER'S RECOMMENDATION.

NOTICE TO CONTRACTORS

CONTRACTOR SHALL POTHOLE AT THE TIE-IN STATIONS AND AT ANY OTHER POINTS OF POTENTIAL CONFLICTS WITH UNDERGROUND FACILITIES BEFORE STARTING CONSTRUCTION. EXISTING SUBSURFACE UTILITY DATA ON DRAWINGS WERE COMPILED FROM INFORMATION FURNISHED BY VARIOUS SOURCES. NEITHER THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION SHOWN IS GUARANTEED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER MAINS, GAS MAINS, SANITARY SEWERS, STORM DRAINS, ELECTRIC CONDUITS, TELEPHONE LINES AND ANY OTHER UTILITIES WHICH MAY CONFLICT WITH THE DESIGN AND CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE RING AND COVER SHALL BE ADJUSTED IN THE FIELD TO MATCH THE FINISHED SURFACE OF THE PAVEMENT TO FORM A SMOOTH DRIVING SURFACE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS FOR THE REPAIR OF ANY AND ALL DAMAGE TO THE CONTRACT WORK OR TO ANY UTILITY (WHETHER PREVIOUSLY KNOWN OR DISCLOSED DURING THE WORK) AS MAY BE CAUSED BY HIS OPERATIONS. UTILITIES NOT SHOWN ON THE DRAWING TO BE RELOCATED OR ALTERED BY OTHERS SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF THE CONTRACT WORK, THE CONTRACTOR SHALL LEAVE ALL UTILITIES AND APPURTENANCES IN A CONDITION SATISFACTORY TO THE OWNERS AND THE CITY.

REFERENCE DRAWINGS:

SEWER DWG. S - 1398
S - 2157
STREET DWG. R - 4421

INDEX

SHEET No.	SHEET TITLE
1	COVER SHEET
2	TYPICAL SECTIONS AND DETAILS
3	ROUGH GRADING PLAN
4	EROSION CONTROL PLAN
5	BEST MANAGEMENT PRACTICE

WDID #8 33C379764

PW17-0496

ASSESSOR'S PARCEL NUMBER:

136-220-016

LEGAL DESCRIPTION:

OF LOT 1 IN BLOCK 12 OF THE RESUBDIVISION OF LANDSW OF J.F.MOULTON AND H.B. PRAED, AS SHOWN BY MAP ON FILE IN BOOK 1 PAGES 49 AND 50 OF MAPS, RECORDS OF RIVERSIDE COUNTY.

BASIS OF BEARINGS:

THE CENTERLINE OF VICTORIA AVENUE BEING NORTH 55°35'00" EAST AS SHOWN ON M.B. 153/15-17.

BASIS OF ELEVATION:

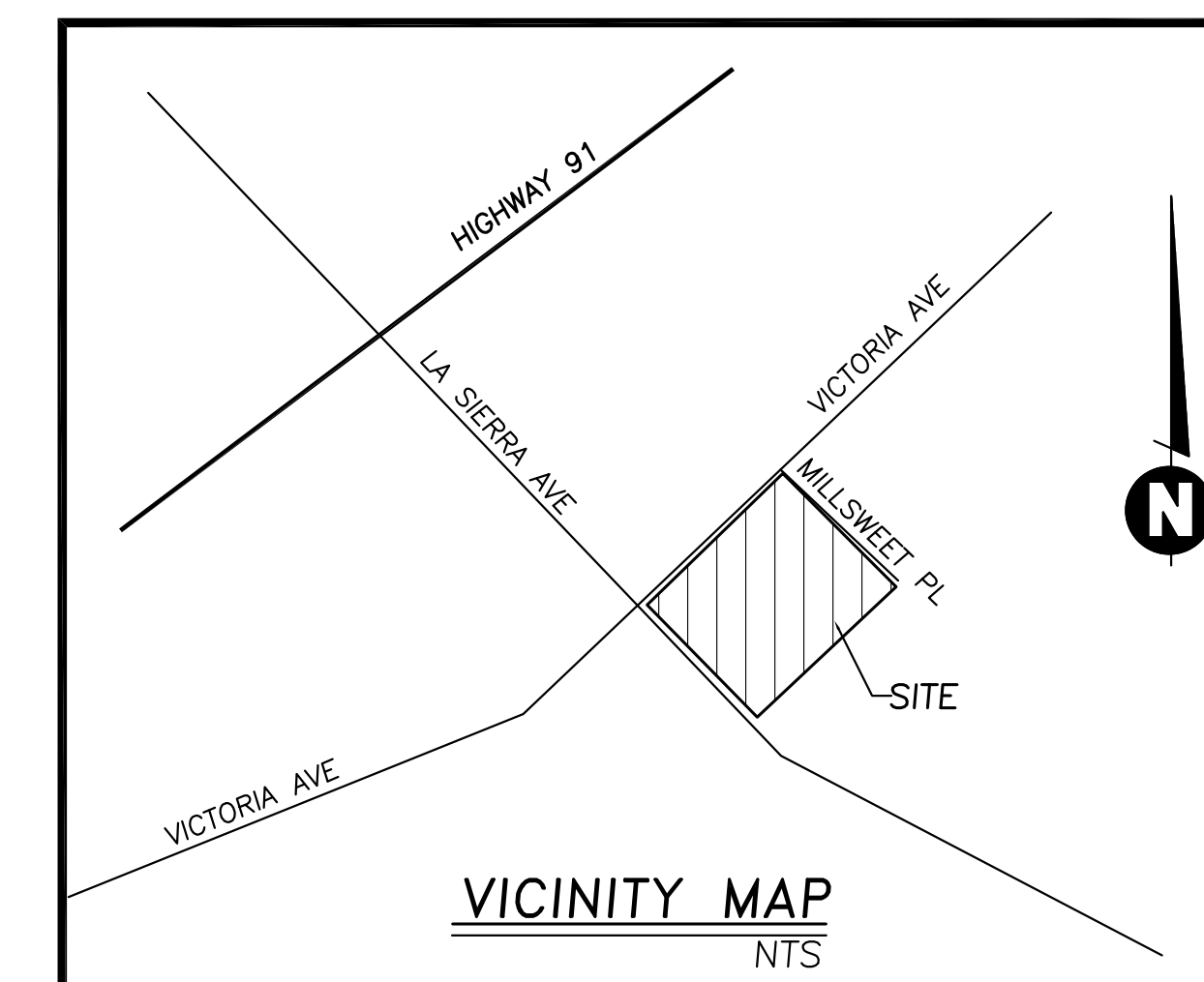
CITY OF RIVERSIDE BM# D3-A2; P.K. NAIL AND TAG AT NORTHERLY CORNER OF A CONCRETE SLAB AT THE SOUTHERLY CORNER OF LA SIERRA AVE. AND THE WESTERLY INTERSECTION OF DUFFERIN AVE.
ELEVATION: 882.135 (1988 ELEVATION)

EMERGENCY PHONE NUMBERS

CITY OF RIVERSIDE FIRE DEPARTMENT	(951) 782-5321
CITY OF RIVERSIDE SHERIFF	(951) 787-7912
CITY OF RIVERSIDE TRAFFIC DIVISION	(951) 782-5366
CITY OF RIVERSIDE TRAFFIC SIGNALS	(951) 782-5376
STREET SUPERINTENDENT	(951) 782-6127
RIVERSIDE SCHOOLS	(951) 788-7132
GOOD AMBULANCE	(951) 684-5520
PACIFIC BELL TELEPHONE	(800) 303-3000
SOUTHERN CALIFORNIA EDISON COMPANY	(951) 351-2450
SOUTHERN CALIFORNIA GAS COMPANY	(800) 227-2600
UNDERGROUND SERVICE ALERT	(800) 422-4133

UTILITIES

ELECTRIC	SO. CAL. EDISON CO.
GAS	SO. CAL. GAS CO.
WATER	CITY OF RIVERSIDE
SEWER	CITY OF RIVERSIDE
TELEPHONE	PACIFIC TELEPHONE

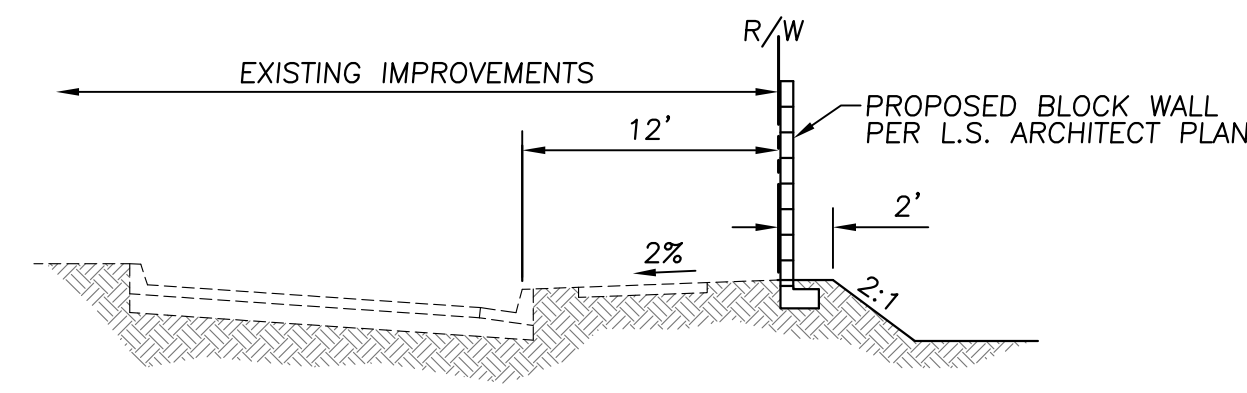


VICINITY MAP

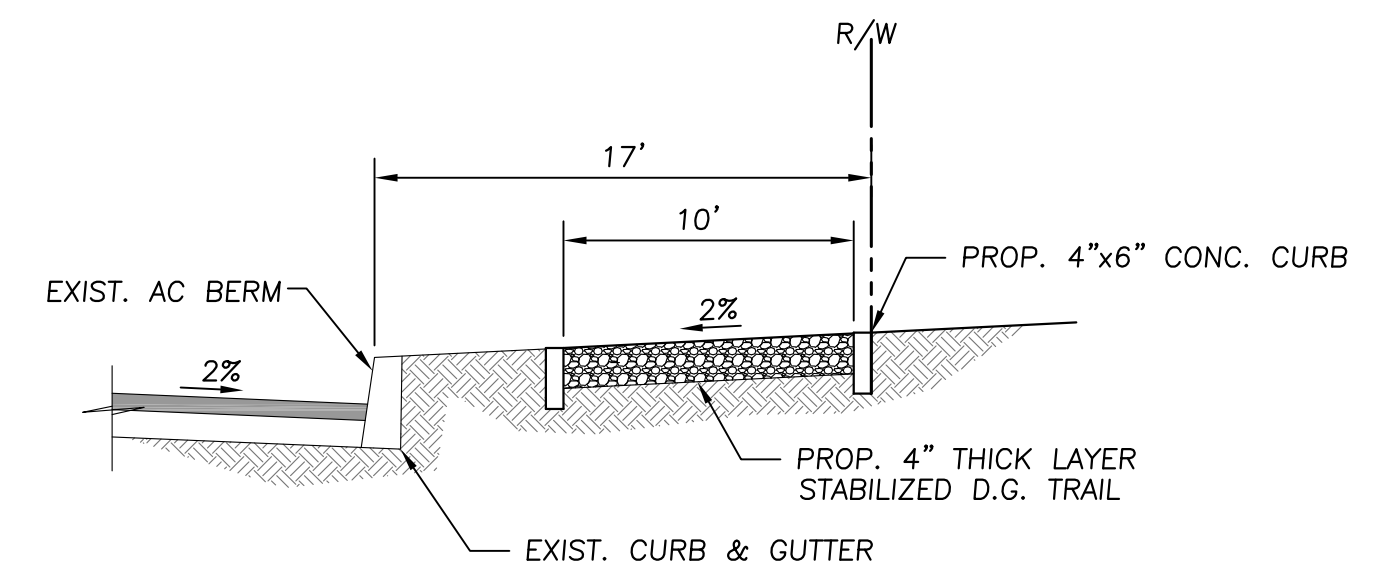
THOMAS BROTHERS MAP PAGE/GRID:
PAGE 744, GRID G-3, 2004 EDITION

**ROUGH GRADING PLAN
TRACT 37764**

SCALE: 1"=60'	DRAWN: RL	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS
DATE: 7-9-2019	DESIGNED: RL	
JOB NO: JN 3053	CHECKED: SA	
CAME PG. XX-X	M.P. X	520-769200-470701



TYPICAL SECTION: LA SIERRA AVENUE
N.T.S.

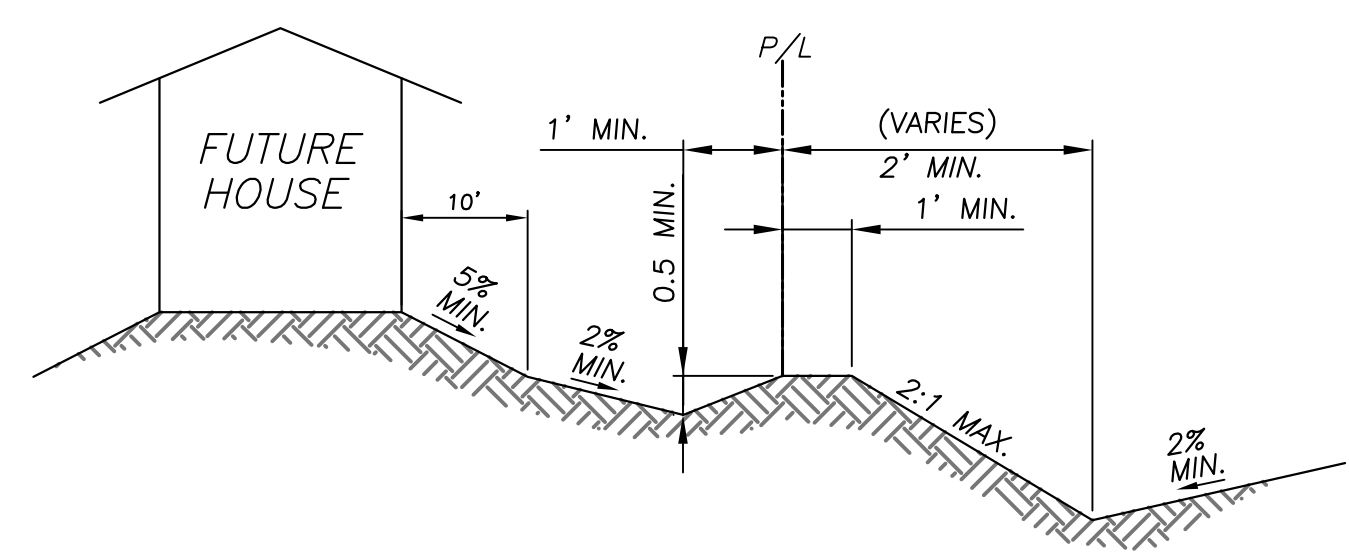


TYPICAL SECTION: MULTIPURPOSE TRAIL
N.T.S.

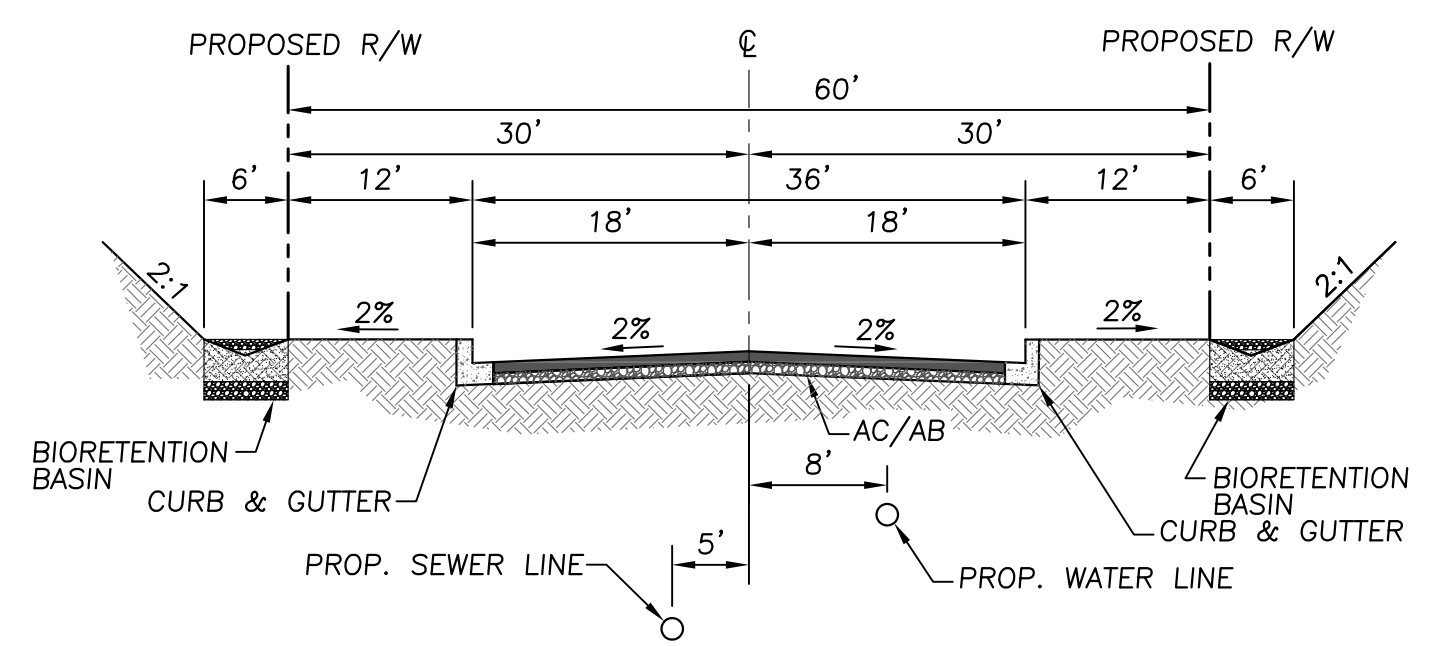
CONSTRUCT TRAIL PER CITY STANDARD TRAIL N.T.S. DETAILS AND TRAIL GRADING AND CONSTRUCTION SPECIFICATIONS (SECTION 02211). (SEE STREET IMPROVEMENT PLANS)

NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL 2025 TRAILS MASTER PLAN.

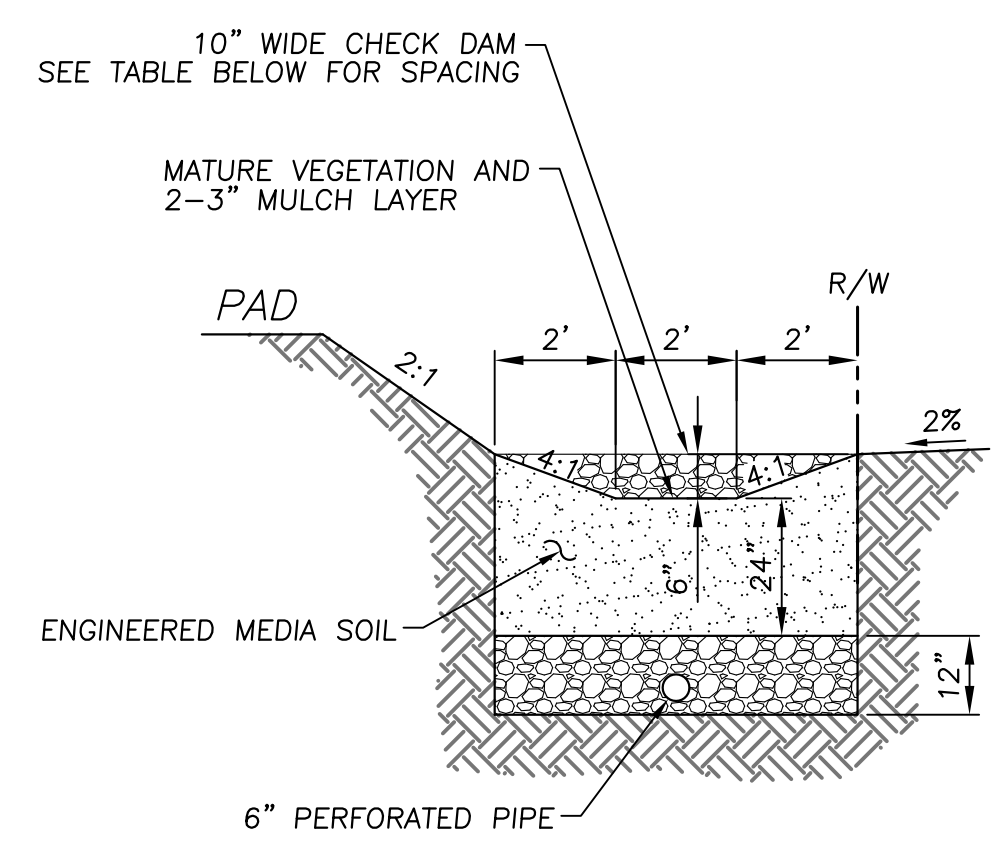
COMPACTED STABILIZED DECOMPOSED GRANITE IS TO BE USED FOR THE TRAIL ACCORDING TO TRAIL GRADING AND CONSTRUCTION SPECIFICATIONS SECTION 02211 AND TRAIL DETAIL 1.



TYPICAL LOT DRAINAGE SECTION "A"
N.T.S.



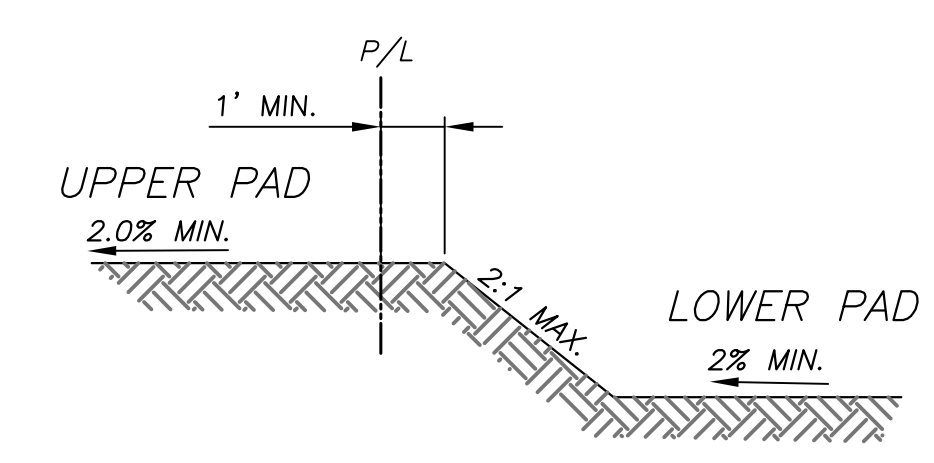
TYPICAL SECTION: GOLDTREE CT.
N.T.S.



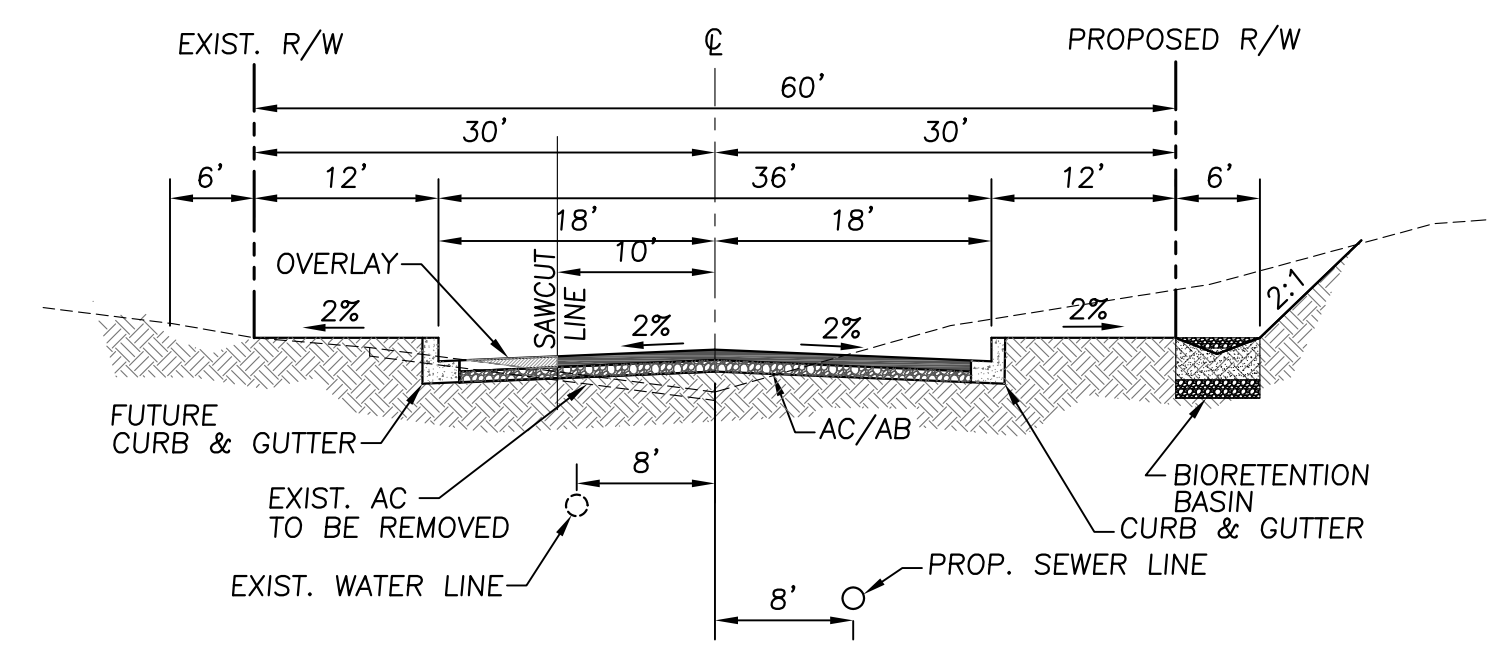
TYPICAL SECTION: BIORETENTION BASIN
N.T.S.

SLOPE	SPACING
1%	25 FEET
2%	15 FEET
3+%	10 FEET

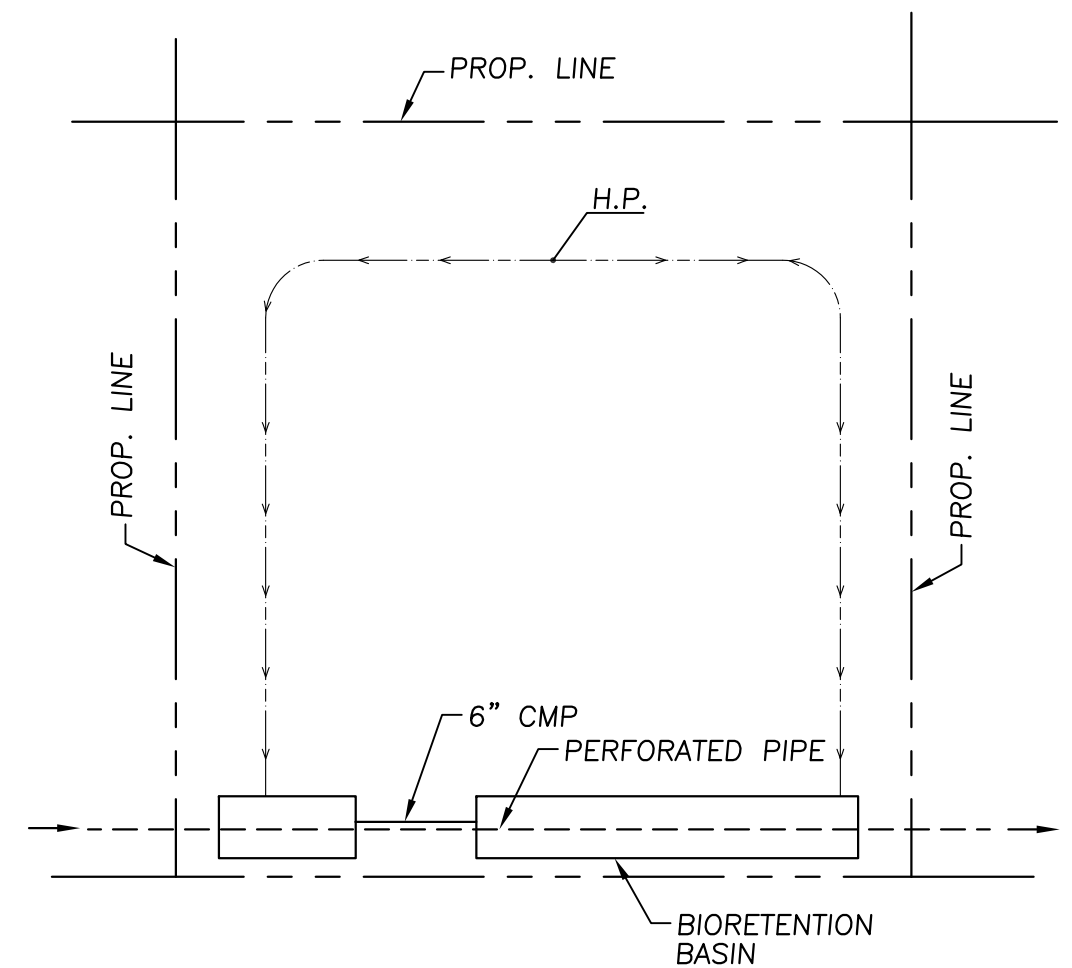
CHECK DAM SPACING



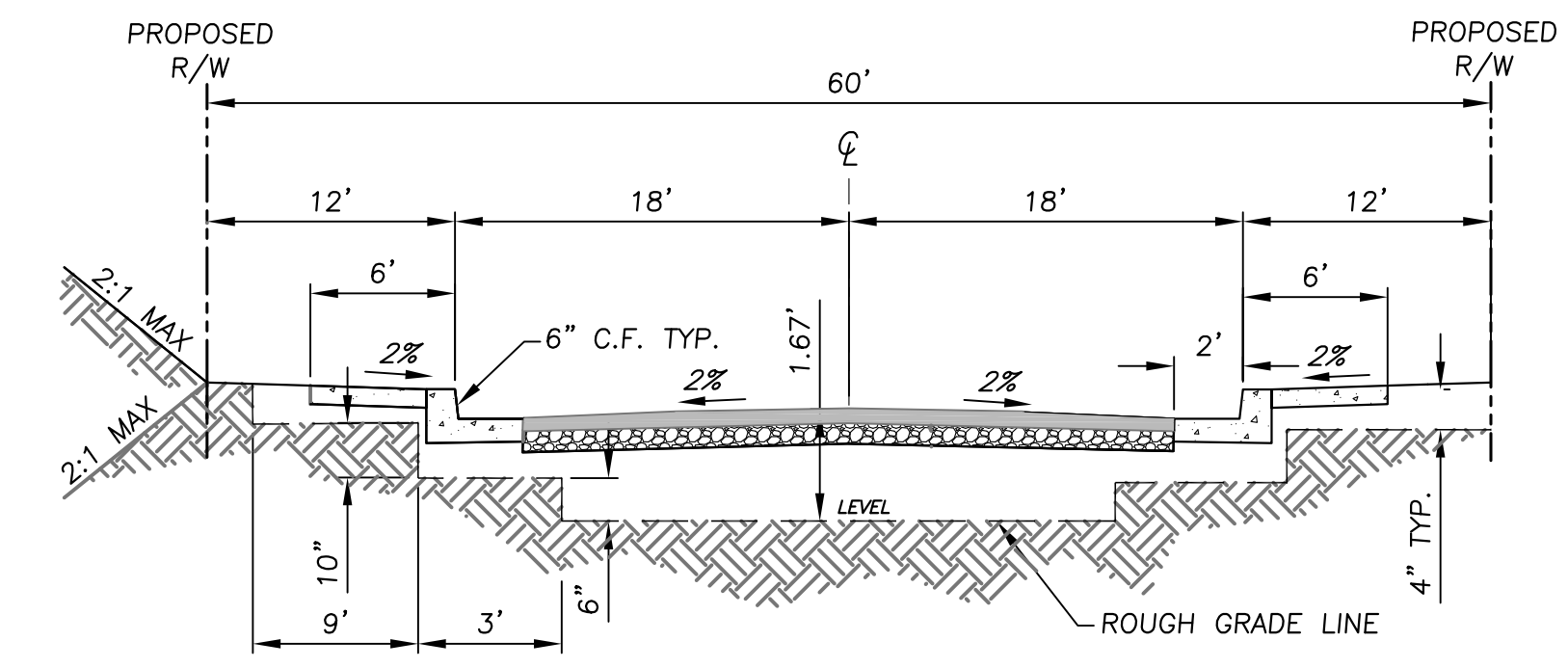
TYPICAL LOT DRAINAGE SECTION "B"
N.T.S.



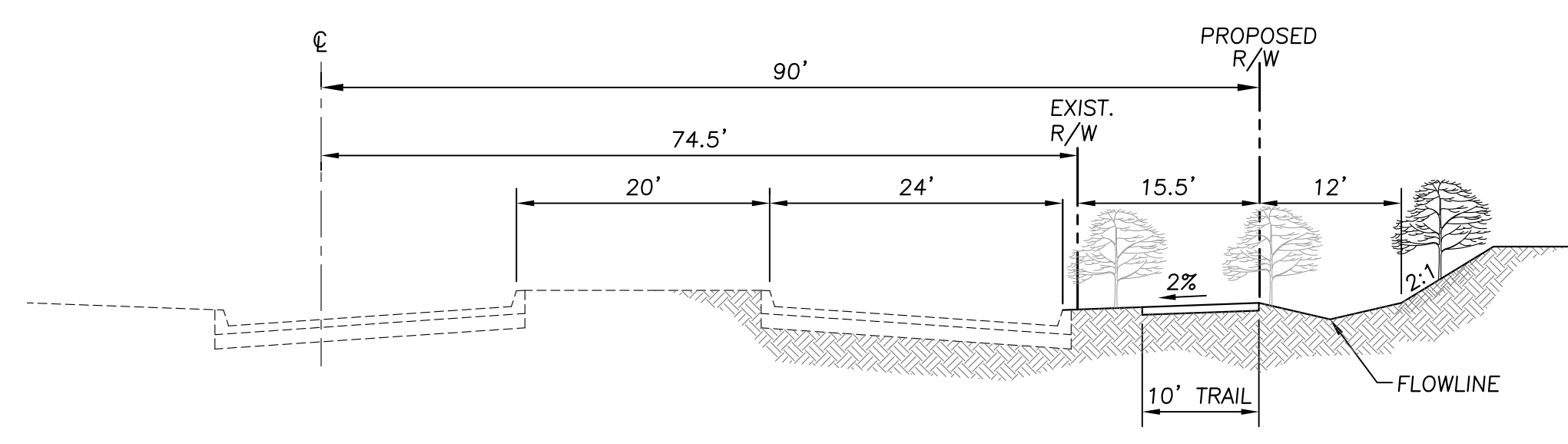
TYPICAL SECTION: MILLSWEET LANE
N.T.S.



TYPICAL PAD DETAIL
N.T.S.

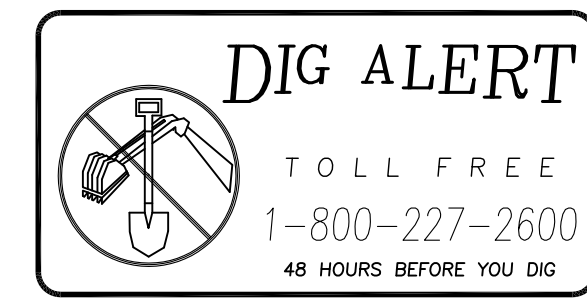


TYPICAL SECTION STREET ROUGH GRADING
N.T.S.



TYPICAL SECTION: VICTORIA AVENUE
N.T.S.

NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL PLAN 2025.



BENCHMARK:
CITY OF RIVERSIDE BM# D3-A2; P.K. NAIL AND TAG AT NORTHERLY CORNER OF A CONCRETE SLAB AT THE SOUTHERLY CORNER OF LA SIERRA AVE. AND THE WESTERLY INTERSECTION OF DUFFERIN AVE.
ELEVATION: 882.135' (1988 ELEVATION)

CITY OF RIVERSIDE, CALIFORNIA PLANNING DIVISION
APPROVED BY _____
DATE _____

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/18
SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

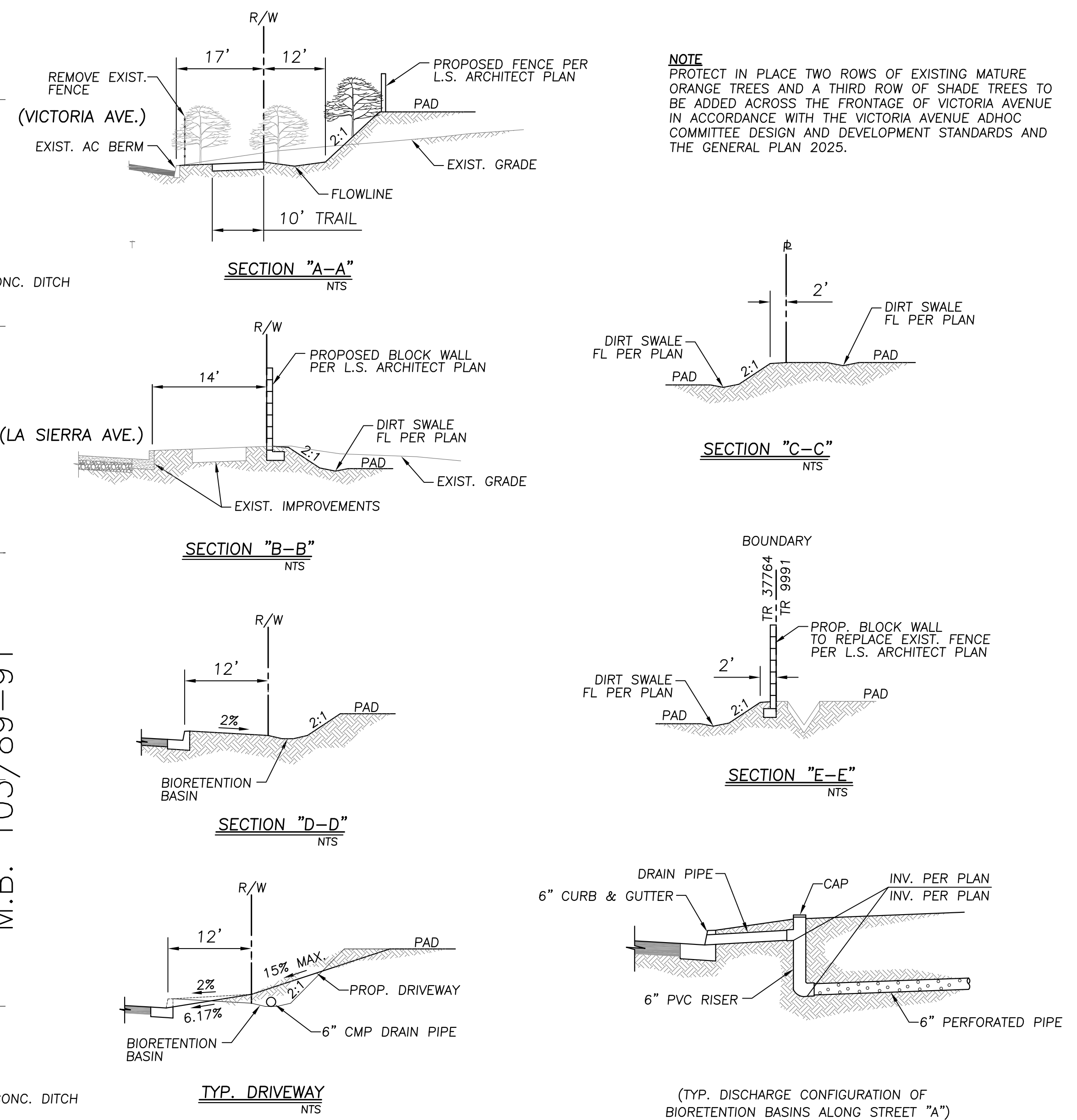
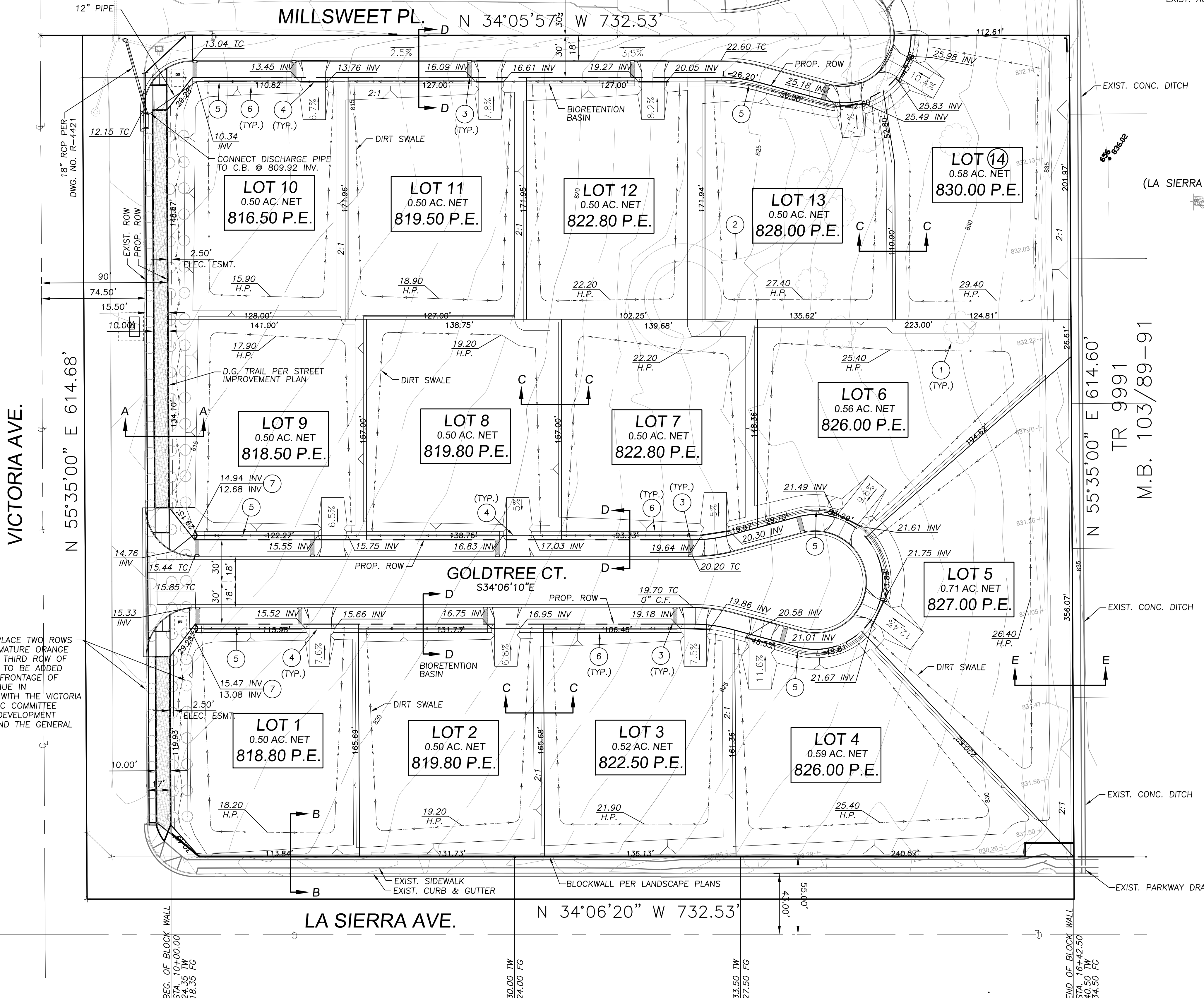


R.C.E. No. _____ DATE _____ MARK _____

NO.	REVISIONS	APPROVED	DATE

WDID #8 33C379764 PW17-0496
SECTIONS AND DETAILS
TRACT 37764
SCALE: 1"=40'
DATE: 7-9-2019
JOB NO.: JN3053
CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS
DRAWN: RL
DESIGNED: RL
CHECKED: SA
520-769200-470701
SHEET 2 of 5

PM 9026
P.M.B. 60/15



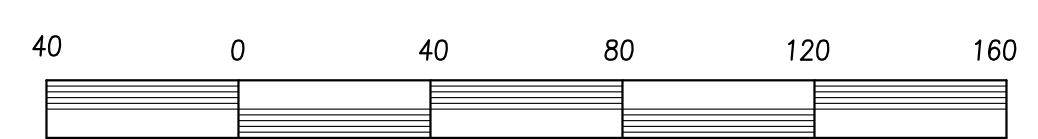
NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL PLAN 2025.

NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL PLAN 2025.

CONSTRUCTION NOTES

- 1 - REMOVE EXISTING TREES 1 L.S.
- 2 - REMOVE EXIST AC PAVEMENT 7,000 S.F.
- 3 - CONST. 2' WIDE ENERGY DISSIPATER 14 EA.
- 4 - CONST. 6" CMP PIPE 14 EA.
- 5 - CONST. 6" PERFORATED PIPE 128 L.F.
- 6 - CONST. BIO RETENTION BASIN 14 EA.
- 7 - CONST. DISCHARGE POINT PER DETAIL HEREON 128 L.F.
- 8 - CONST. BLOCK WALL PER SEPARATE PERMIT 128 L.F.
- 9 - CONST. 3" PVC CURB DRAIN PER APWA STD. 150-3 30 L.F.

QUANTITIES:



SCALE: 1"=40'

WDID #8 33C379764 PW17-0496



BENCHMARK:
CITY OF RIVERSIDE BM# E2P2; CHISEL SQUARE IN TOP CORNER AT THE SE CORNER OF INDIANA AVE. & FILLMORE ST.
ELEV = 738.41'

CITY OF RIVERSIDE, CALIFORNIA PLANNING DIVISION
APPROVED BY _____
DATE _____

SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92709
(951) 279-4041 FAX: (951) 279-2830



ROUGH GRADING PLAN		TRACT 37764	
SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS	
DATE: 7-9-2019	DESIGNED: RL	W	
JOB NO: JN3053	CHECKED: SA	SHEET 3 of 5	
CAME PG. XX-X	M.P. X	520-769200-470701	

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/18

\\SERVER\projects\CT_RIVERSIDE\10353_HIRSH\Civil\PROP.dwg, 7/9/2019 9:54:10 AM, 1:40

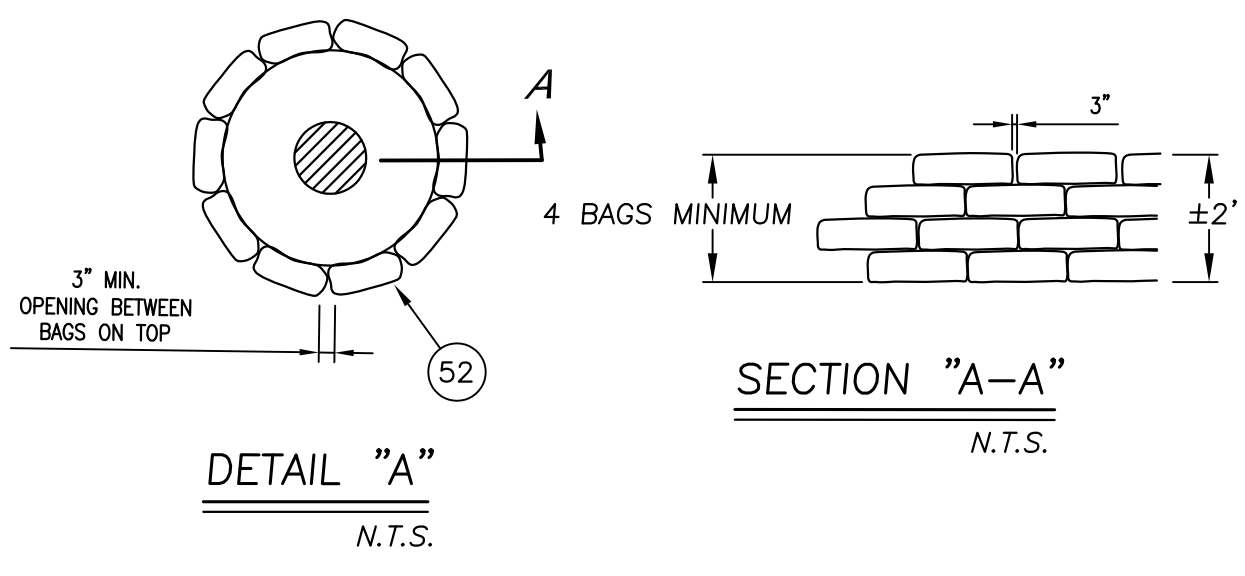
VICTORIA AVE.

EROSION CONTROL NOTES

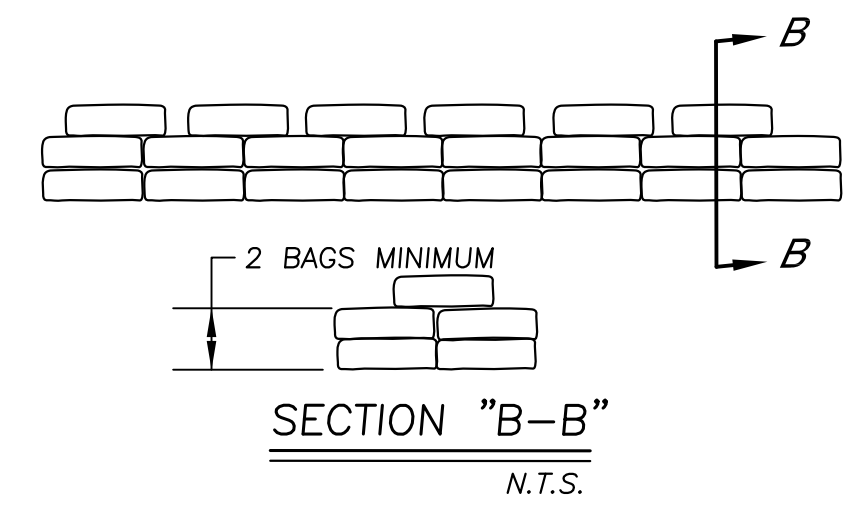
1. IN CASE OF EMERGENCY, CALL: **HITESH PATEL**
WORK: **(760) 963-3475**
EMAIL:
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING DEPARTMENT.
4. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
5. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS, AND THE BASINS PUMPED DRY.
6. GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
8. GRAVEL BAG LAYOUT SHALL BE INSTALLED AS SHOWN PER PLAN OR AS DIRECTED BY THE CITY INSPECTOR.

SITE PREPARATION:

- 1 THE EMBANKMENT FOUNDATION AREA SHALL BE CLEARED OF ALL TREES, ROOTS, BRUSH, BOULDERS, SOD, AND DEBRIS.
- 2 ALL TOPSOIL CONTAINING EXCESSIVE AMOUNTS OF ORGANIC MATTER SHALL BE REMOVED.
- 3 ALL STORM DRAIN INLETS SHALL BE CAPPED AND/OR CATCH BASINS SHALL BE PROTECTED W/FILTER FABRIC HELD DOWN BY SANDBAGS AROUND BASINS.



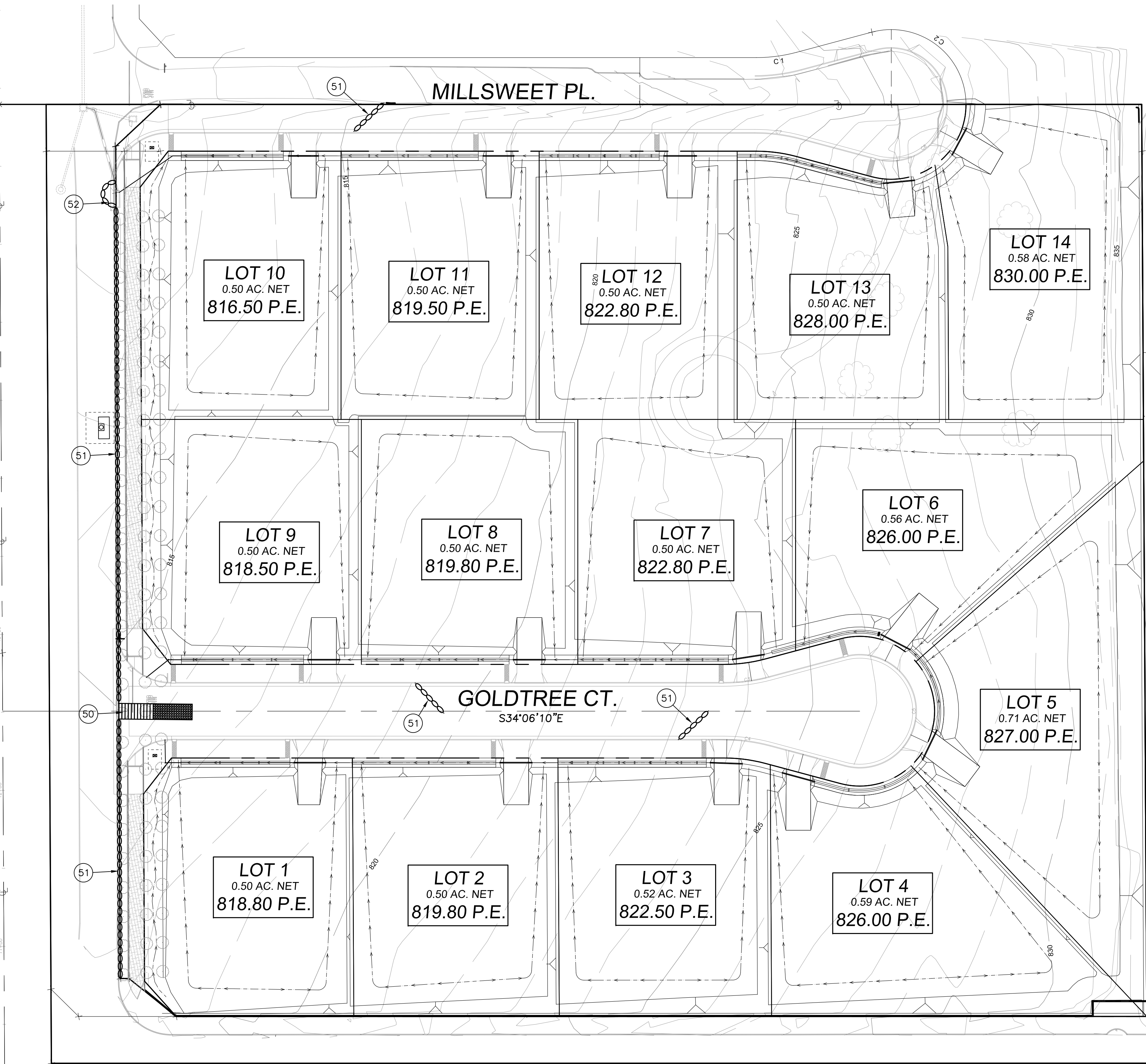
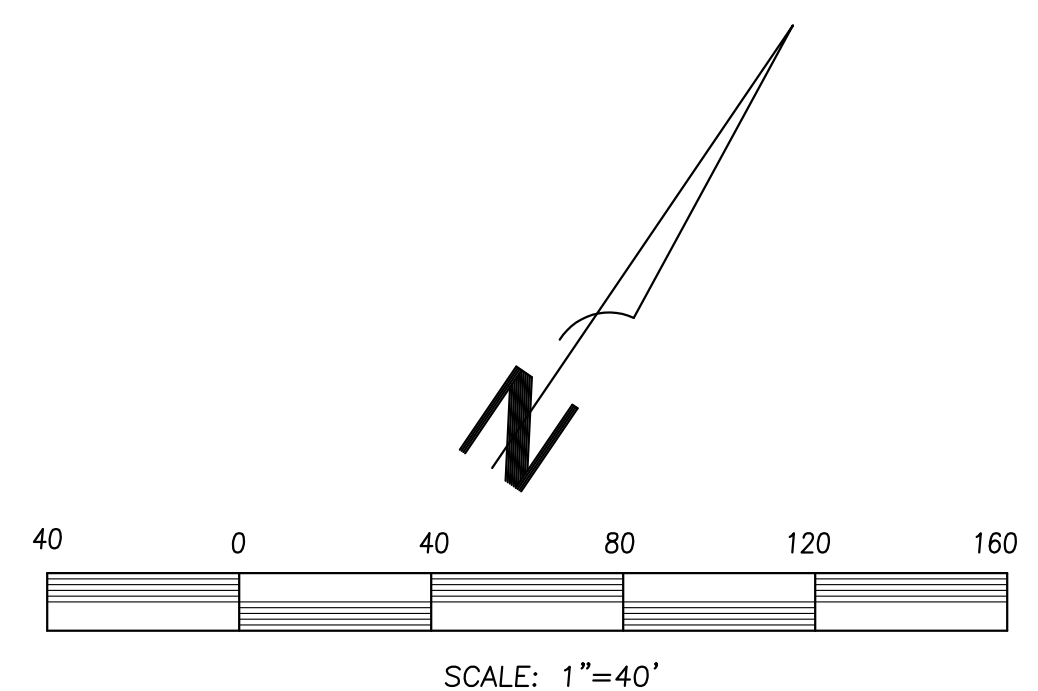
GRAVELBAG DRAIN PROTECTION (52)
N.T.S.



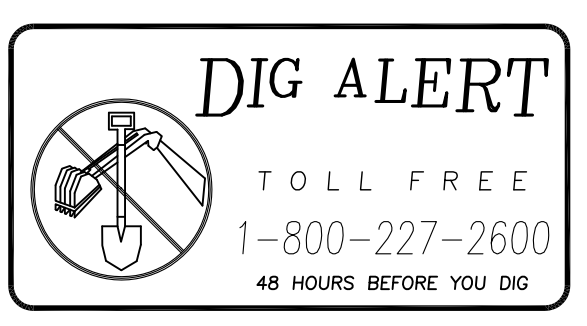
GRAVELBAG INSTALLATION (51)
N.T.S.

CONSTRUCTION NOTES:

- (50) - CONST. STABILIZED ENTRANCE PER DETAIL ON SHT. 5
- (51) - INSTALL GRAVEL BAGS PER DETAIL HEREON
- (52) - INSTALL GRAVELBAG DRAIN PROTECTION PER DETAIL HEREON



LA SIERRA AVE.



BENCHMARK:
CITY OF RIVERSIDE BM# E2P2; CHISEL SQUARE IN TOP CORNER AT THE SE CORNER OF INDIANA AVE. & FILLMORE ST.
ELEV = 738.41'

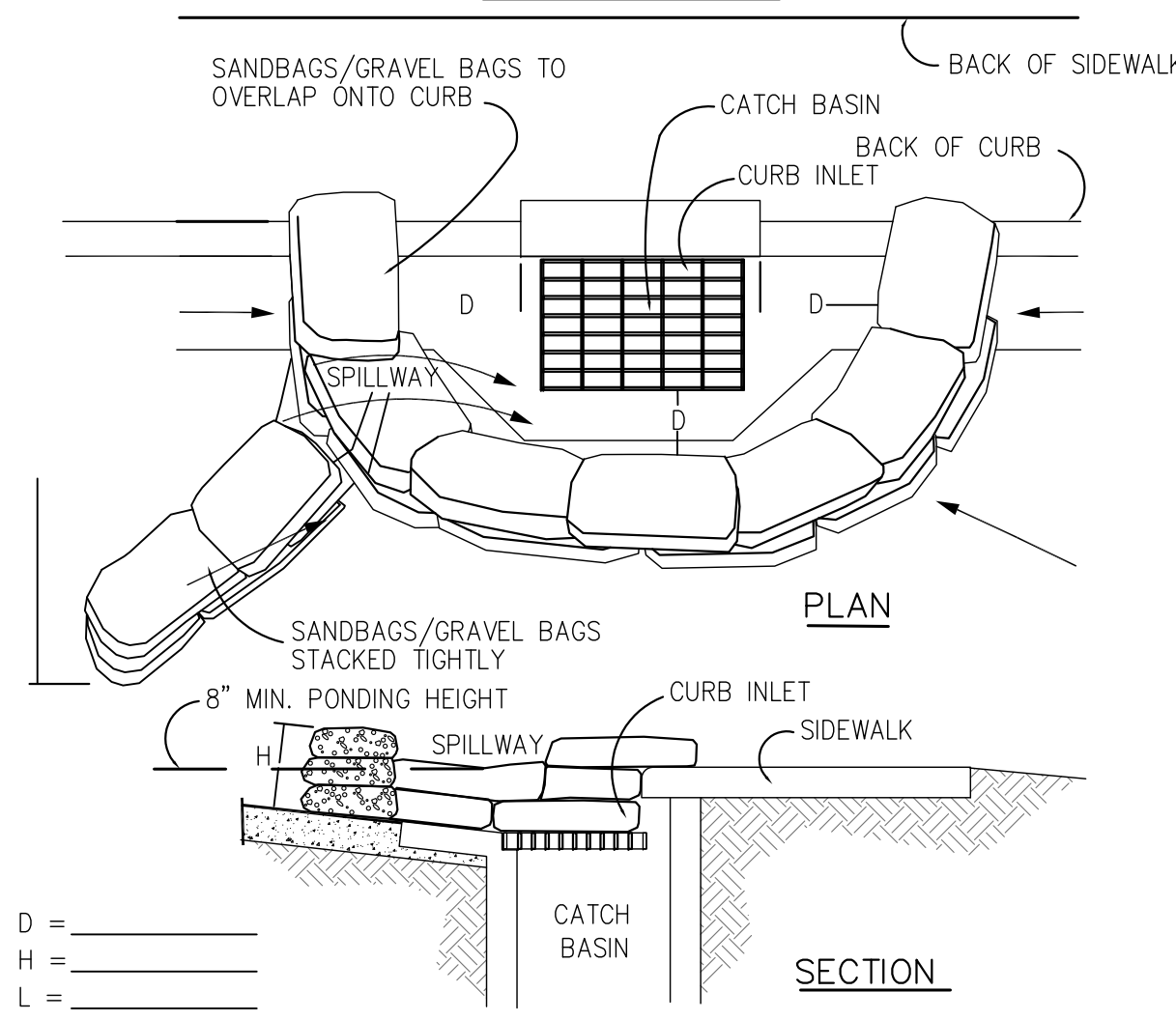
CITY OF RIVERSIDE, CALIFORNIA PLANNING DIVISION

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/30/18
SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830



R.C.E. No.		DATE	MARK	REVISIONS	APPROVED	DATE	CAME PG. XX-X	M.P. X	520-769200-470701
DWID #8 33C379764 PW17-0496 EROSION CONTROL PLAN TRACT 37764 SCALE: 1"=40' DRAWN: RL DATE: 7-9-2019 DESIGNED: RL JOB NO.: JN3053 CHECKED: SA CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS W SHEET 4 of 5									

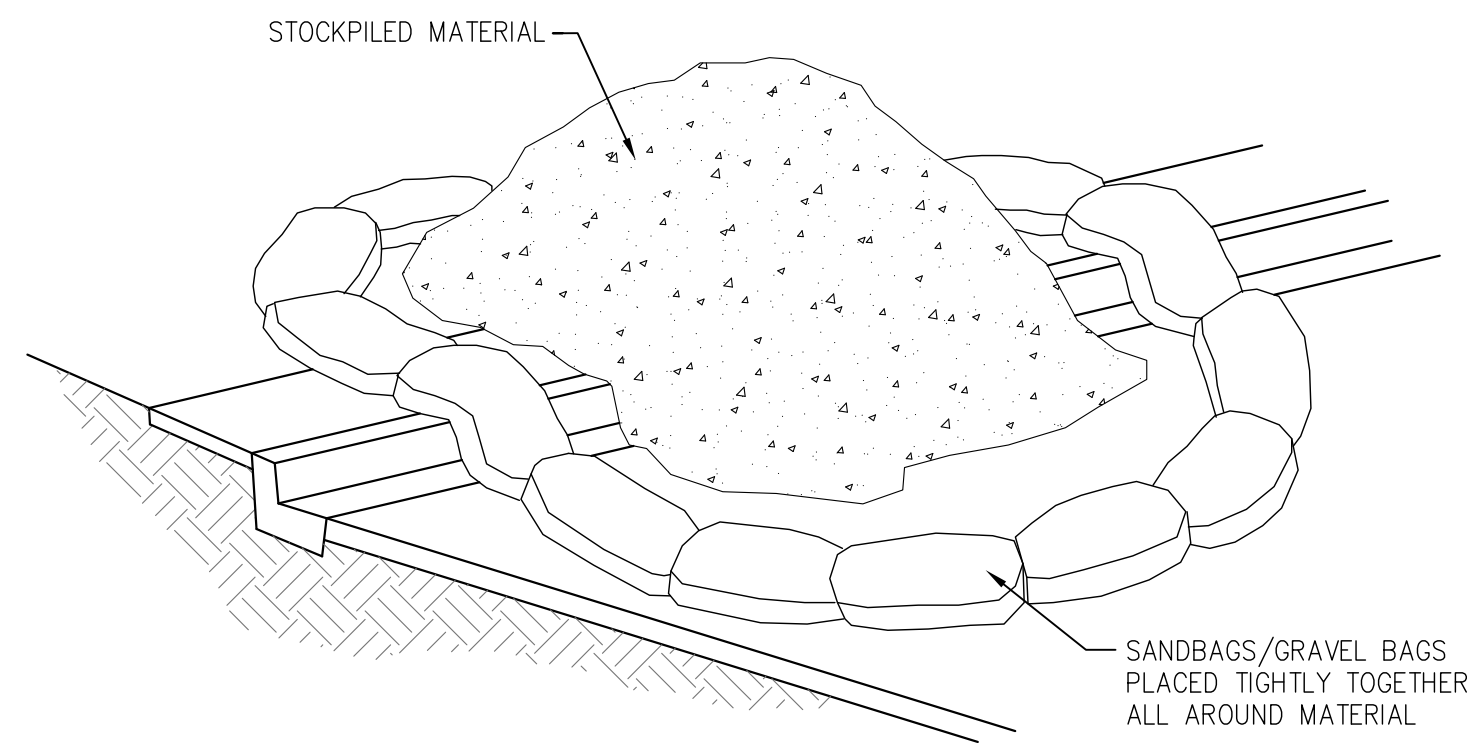
A
CATCH BASIN/INLET PROTECTION



NOTES:

- CATCH BASIN/INLET PROTECTION SHALL BE INSTALLED WHEREVER THERE IS A POTENTIAL OF STORMWATER OR NON-STORMWATER BEING DISCHARGED INTO IT.
- INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS; EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
- MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
- INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISC. DRAINAGE SWALES.
- INLET PROTECTION SHALL BE INSPECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERLY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
- DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
- ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLAN.

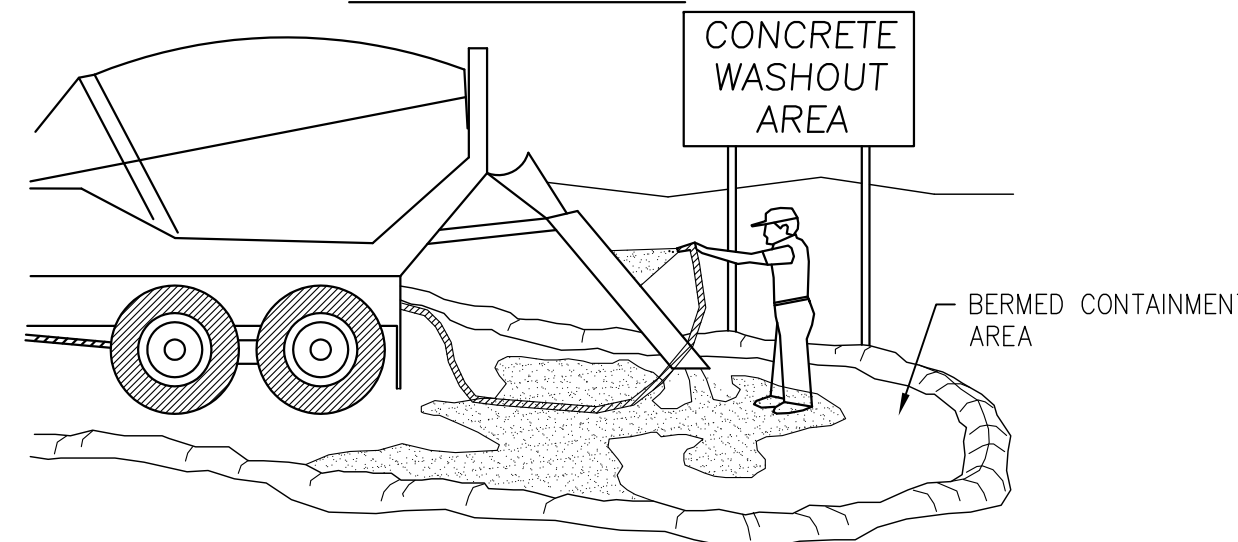
D
MATERIAL STORAGE



NOTES:

- DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
- ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

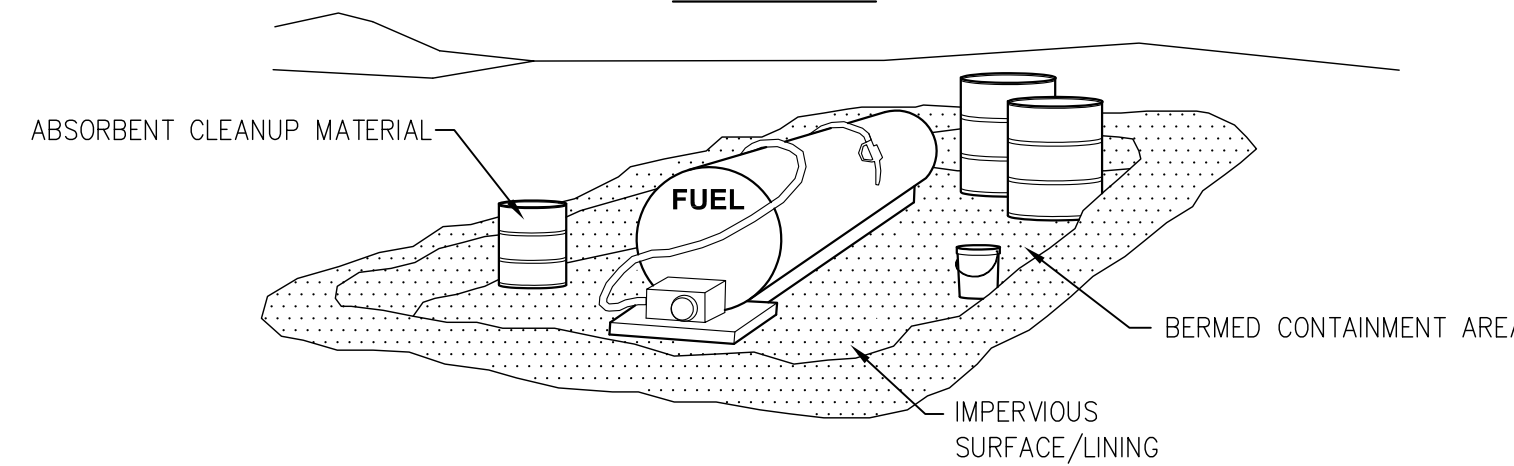
B
CONCRETE WASTE MANAGEMENT



NOTES:

- EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
- FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
- SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.

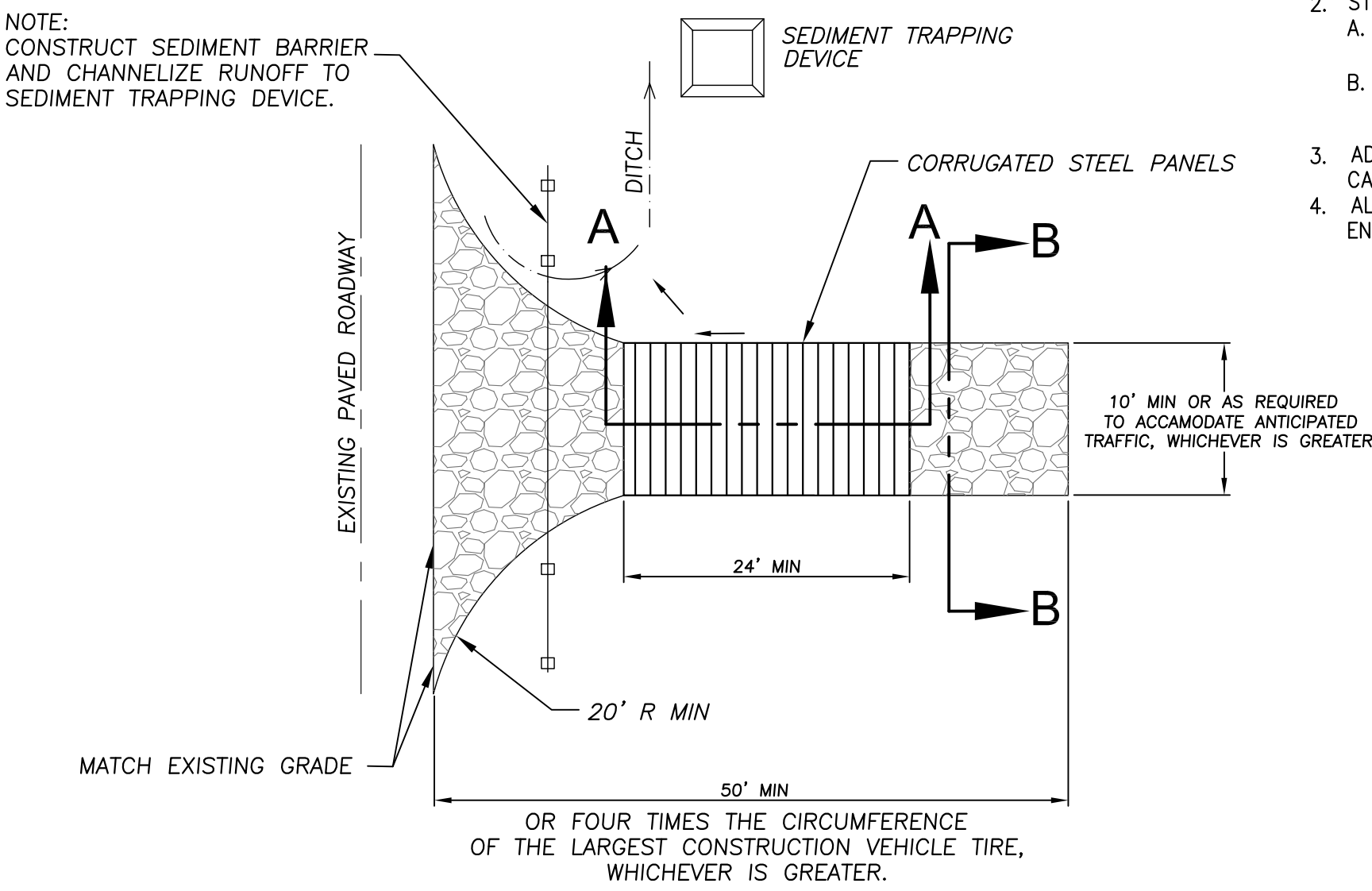
E
VEHICLE/EQUIPMENT FUELING



NOTES:

- FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM DRAINAGE COURSES.
- ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

C
STABILIZED CONSTRUCTION ENTRANCE / EXIT TC1

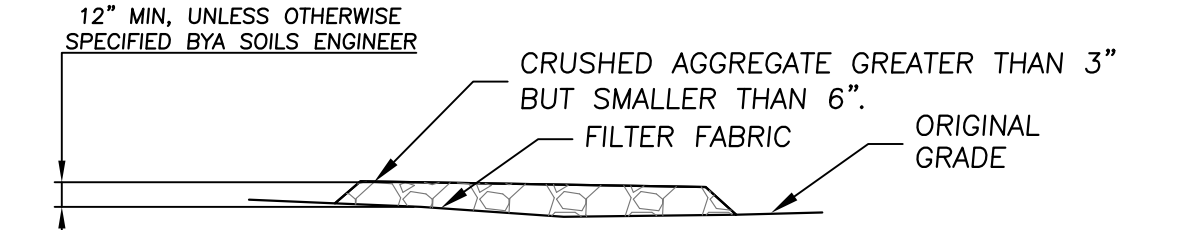


STREET MAINTENANCE

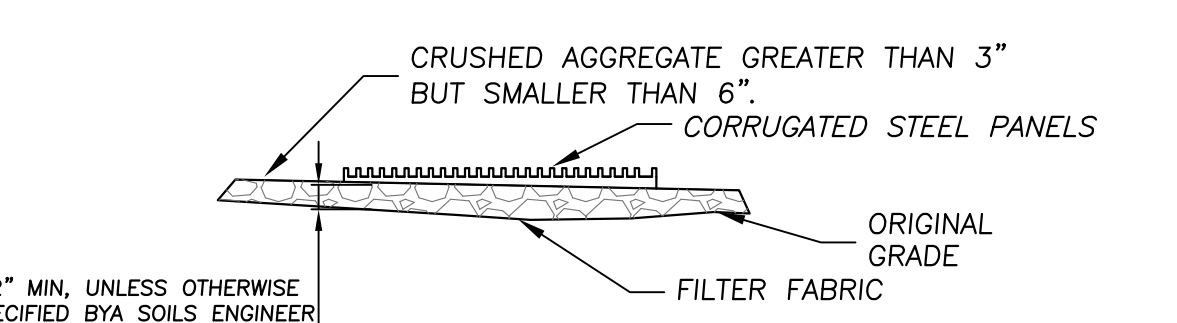
- REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
- SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
- PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

NOTES:

- SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
 - LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
 - A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
 - ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
 - ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.



SECTION B-B
N.T.S.



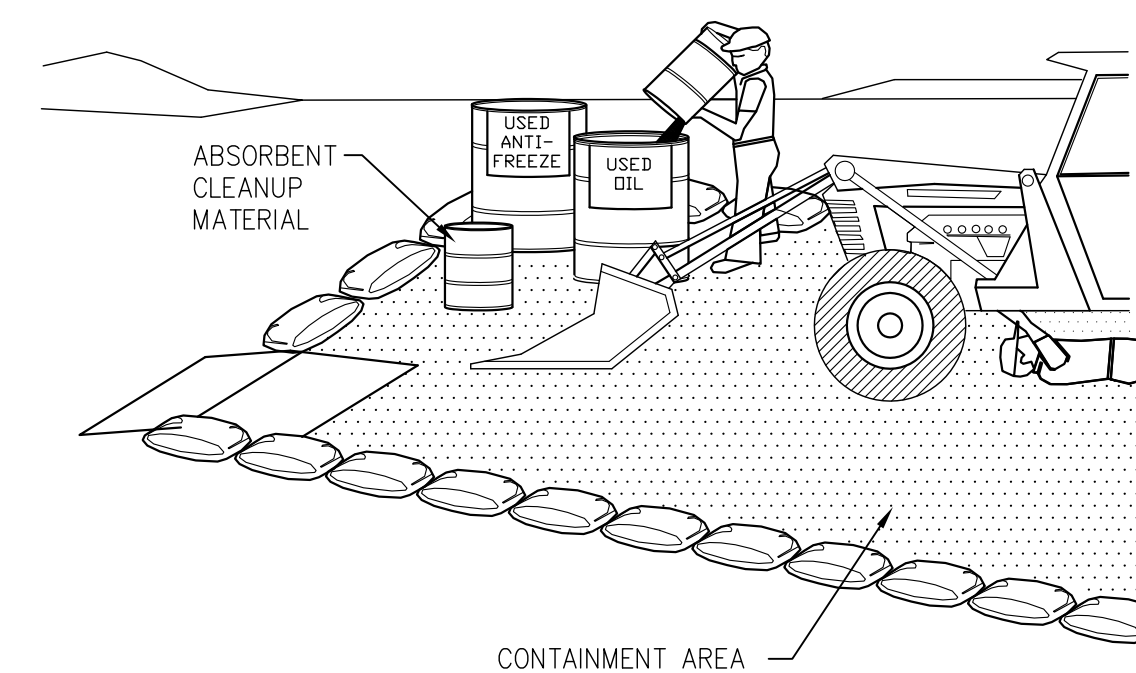
SECTION A-A
N.T.S.

STORMWATER POLLUTION CONTROL PLAN

GENERAL NOTES

- BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED HEREIN REFLECT MINIMUM REQUIREMENTS. FOR ADDITIONAL BMP'S REFER TO CALIFORNIA STORMWATER BMP HANDBOOKS.
- ALL CONSTRUCTION ACTIVITY SHALL BE PERFORMED IN ACCORDANCE WITH A STORMWATER POLLUTION CONTROL PLAN (SWPCP) DEVELOPED AND IMPLEMENTED IN COMPLIANCE WITH REQUIREMENTS OF THE ORANGE COUNTYWIDE STORMWATER QUALITY MANAGEMENT PROGRAM, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO. _____
- THE SWPCP SHALL:
 - IDENTIFY POTENTIAL POLLUTANT SOURCES AND INCLUDE THE DESIGN AND PLACEMENT OF BMP'S TO EFFECTIVELY PROHIBIT THE ENTRY OF POLLUTANTS FROM THE CONSTRUCTION SITE INTO AND ONTO THE STREET AND STORM DRAIN SYSTEM DURING CONSTRUCTION.
 - BE KEPT ON SITE AND AMENDED TO REFLECT CHANGING CONDITIONS THROUGHOUT THE COURSE OF CONSTRUCTION.
 - BE KEPT UP TO DATE. ANY ADDITIONAL UPDATES REQUESTED BY AGENCY REPRESENTATIVES ARE TO BE MADE IMMEDIATELY.
- NON-STORMWATER DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM DRAIN SYSTEM AND/OR STREET.
- DISCHARGES OF PUMPED GROUND WATER REQUIRE A DISCHARGE PERMIT FROM THE STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
- POLLUTANTS SHALL BE REMOVED FROM STORMWATER DISCHARGES TO THE MAXIMUM EXTENT PRACTICABLE (MEP) THROUGH DESIGN & IMPLEMENTATION OF THE SWPCP.
- A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOV. 1 TO APR. 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC AREAS, DRAINAGE COURSES, AND STORM DRAIN INLETS.
- EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS SHALL BE EDUCATED ON ALL BMP'S INCLUDING CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES.
- SEDIMENT CONTROL PRACTICES SHALL EFFECTIVELY PREVENT A NET INCREASE OF SEDIMENT LOAD IN STORMWATER DISCHARGE.

F
EQUIPMENT REPAIR/MAINTENANCE



NOTES:

- LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT MATERIALS; DO NOT FLUSH WITH WATER.
- VEHICLES AND EQUIPMENT SHALL BE MAINTAINED, AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, AWAY FROM STORM DRAIN INLETS AND WATERCOURSES.
- ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
- LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
- PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
- MAINTAIN AN ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.



CITY OF RIVERSIDE, CALIFORNIA PLANNING DIVISION
APPROVED BY _____
DATE _____

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/30/18

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WDID #8 33C379764

PW17-0496

BEST MANAGEMENT PRACTICE
TRACT 37764

SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES
DATE: 7-9-2019	DESIGNED: RL	
JOB NO.: UN3053	CHECKED: SA	
W		SHEET 5 of 5