

T. UTILITY NOTIFICATIONS:

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS...

FOR ANY QUESTIONS REGARDING THE MARK OUT OF UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE RESPECTIVE UTILITY COMPANY:

- STREET LIGHT OR SIGNAL LIGHT CONDUIT / CITY OF CHULA VISTA
VERIFICATION
NOTIFICATION
GAS & ELECTRIC
WATER OTAY WATER DISTRICT
SWEETWATER AUTHORITY
TELEPHONE
TELEVISION

U. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STATEMENT:

DEVELOPMENT OF THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF STATE WATER RESOURCES CONTROL BOARD (SWRCB) (NPDES) GENERAL PERMIT NO. ... WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY...

A COMPLETE AND ACCURATE NOTICE-OF-INTENT (NOI) WILL BE FILLED WITH THE SWRCB, A COPY OF THE ACKNOWLEDGMENT FROM THE SWRCB THAT A NOI HAS BEEN RECEIVED FOR THIS PROJECT SHALL BE FILED WITH THE CITY OF CHULA VISTA WHEN RECEIVED...

IN ADDITION, THE UNDERSIGNED AND SUBSEQUENT OWNER(S) OF ANY PORTION OF THE PROPERTY COVERED BY THIS GRADING PERMIT NO. ... SHALL COMPLY WITH SPECIAL PROVISIONS REGARDING THE REVOCATION OR CANCELLATION OF NPDES GENERAL PERMIT COVERAGE...

OWNER OF LAND:
SIGNATURE OF LAND OWNER, CORPORATE OFFICE, GENERAL PARTNER OR PROPRIETOR:
DATE:
TITLE:
PERMIT IDENTIFICATION NUMBER:

V. LANDSCAPE NOTES:

- 1. ALL SLOPES 3 FEET IN VERTICAL HEIGHT AND GREATER SHALL BE PLANTED AND IRRIGATED IN ACCORDANCE WITH LANDSCAPE IMPROVEMENT PLANS CONFORMING TO THE CITY OF CHULA VISTA LANDSCAPE MANUAL...
2. FINISH GRADING AND PLANTING SHALL BE ACCOMPLISHED ON ALL SLOPES PRIOR TO OCTOBER 1 OR IMMEDIATELY UPON COMPLETION OF ANY SLOPES GRADED BETWEEN OCTOBER 1 AND APRIL 1...
3. PRIOR TO GRADING, CONTRACTOR SHALL FIELD VERIFY EXISTING IRRIGATION SYSTEMS TO DETERMINE WHICH ARE OPERABLE...
4. FOR LANDSCAPE AND IRRIGATION PLANS, SEE BUILDING PERMIT NO. ... OR CITY OF CHULA VISTA DRAWING NO. ...

W. RCP STORM DRAIN BEVELING NOTES:

- 1. WHERE RADIUS=90 FEET TO 45 FEET, USE 8-FOOT LENGTH OF PIPE BEVELED ONE END.
2. WHERE RADIUS CURVE= 45 FEET TO 22 1/2 FEET, USE 8- FOOT LENGTH OF PIPE BEVELED BOTH ENDS.
3. WHERE RADIUS CURVE=22 1/2 FEET, USE 4-FOOT LENGTH OF PIPE BEVELED BOTH ENDS.
4. CONTRACTOR SHALL PROVIDE LAYOUT SHEET OF BEVELED PIPE PRIOR TO BEGINNING INSTALLATION.

X. HDPE & HP STORM DRAIN INSTALLATION NOTES:

- 1. REFERENCE MANUFACTURER INSTALLATION GUIDE AND SPECIFICATIONS FOR MAXIMUM JOINT DEFLECTION.
2. CURVILINER INSTALLATIONS SPECIFIED PER THIS PLAN ARE BASED ON CHAPTER 5 (INSTALLATION) OF THE ADS, INC. DRAINAGE HANDBOOK...
3. ALL CONCRETE STRUCTURES USED WITH HDPE PIPE MUST BE WATERTIGHT.
4. TRENCH BACKFILL FOR HDPE N-12 PER SDRSD SP-02 WITH FILTER FABRIC FULLY SURROUNDING ROCK ZONE.
5. TRENCH BACKFILL FOR HP PER SDRSD SP-02 WITH ROCK TO PIPE CROWN AND FILTER FABRIC ROCK ZONE.

Y. SPECIAL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES SHOWN HEREON AND BALANCING THE EARTHWORK ONSITE. IF DISCREPANCIES ARISE, THE ENGINEER OF WORK SHALL PROVIDE AREAS OF ADJUSTMENT TO THE CONTRACTOR...
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SLOPES 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...
3. THE PALEONTOLOGICAL MONITOR SHALL BE PRESENT DURING THE GRADING OF THE PLEOCENE SAN DIEGO FORMATION (TSD) ON THE SITE...
4. THE CONTRACTOR SHALL UNCOVER ALL UTILITIES THAT MAYBE JOINED, CROSSED, OR PARALLELED TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATION PRIOR TO ANY CONSTRUCTION...
5. ALL FILL AREAS, WHICH ARE FENCED, SHALL REMAIN FENCED. TEMPORARY AND/OR FINAL FENCING SHALL BE PROVIDED AS SHOWN ON THE PLANS...
6. ALL APPROVED GEOTEXTILE ENGINEERING FABRIC SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS...
7. A 6" MINIMUM THICKNESS BEDDING BLANKET UNDERDRAIN BY A LAYER OF GEOTEXTILE (MIRAFI 700X OR EQUIVALENT) SHALL BE CONSTRUCTED BENEATH ALL RIP RAP...
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING, RELOCATING, AND/OR REMOVAL OF EXISTING UTILITIES...
9. THE CONTRACTOR SHALL REPLACE ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL OR SUPERIOR...
10. ALL CONTOURS AND ELEVATIONS SHOW HEREON REPRESENT FINISH GRADE. CONTRACTOR SHALL MAKE THE APPROPRIATE ALLOWANCES FOR PAVEMENT SUBGRADE, PAD UNDERCUT, AND UTILITY TRENCHING...
11. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS...
a) FRACTION PASSING THE NO. 3/8 IN. STANDARD SIEVE SHALL BE 100% BY WEIGHT.
b) ANY SOURCE OF ON-SITE MATERIAL DEEMED SUITABLE BY THE SOILS ENGINEER.

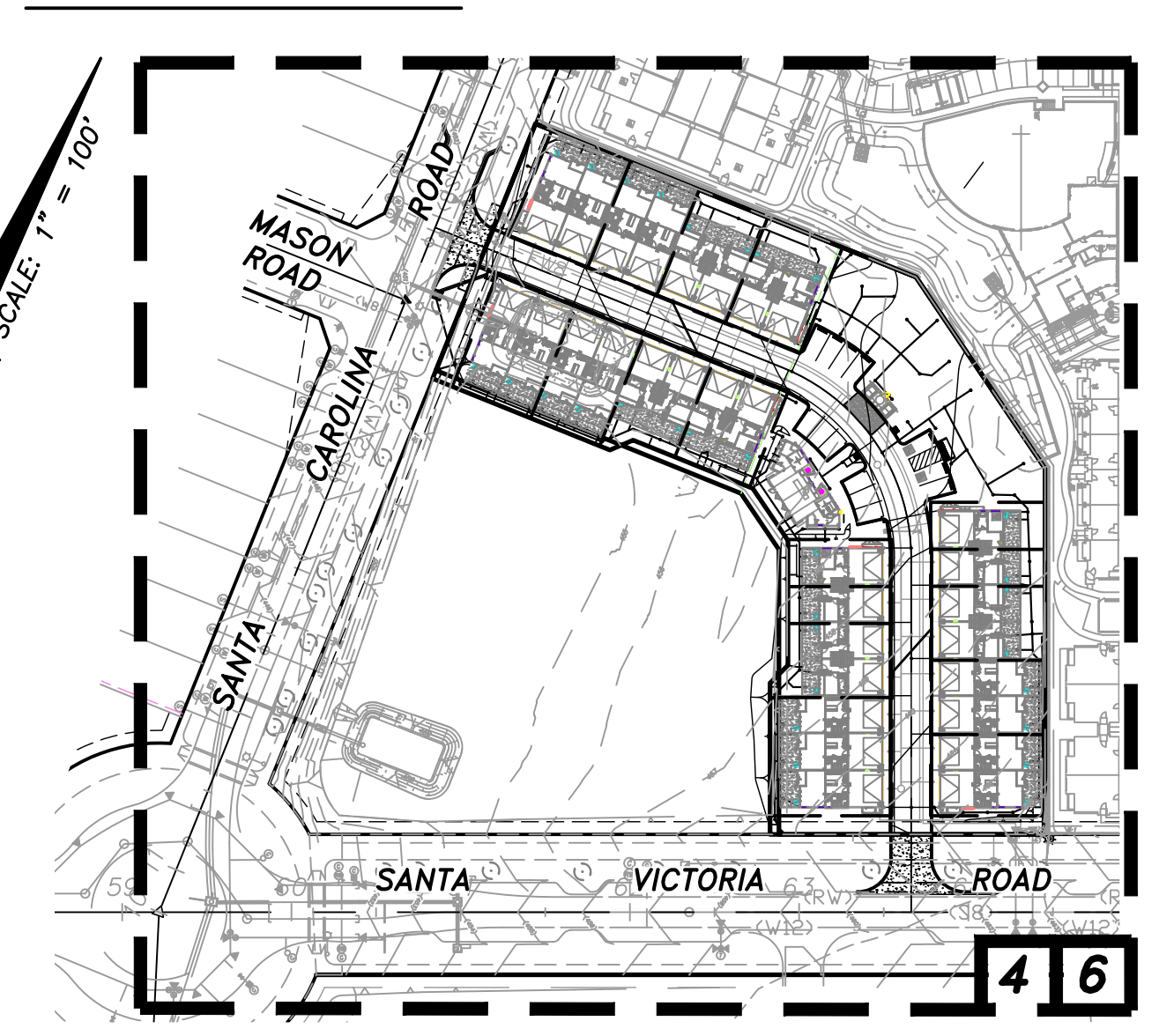
Z. EROSION CONTROL NOTES: (MOVE TO EROSION CONTROL SHEET)

- 1. THE EROSION CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AND MODIFICATION OF THE EROSION CONTROL DEVICES DURING THE RAINY SEASON...
2. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER AND MITIGATION MONITOR.
3. TEMPORARY EROSION CONTROL DEVICES, WHICH INTERFERE WITH THE WORK, SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES...
4. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT...
5. PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND SHALL EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINAL APPROVAL...
6. A 12 INCH HIGH BY 3 FEET WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS...
7. SILT BASINS, TRAPS, OR SANDBAGS SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
8. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPE, THE CONTRACTOR SHALL INSURE THAT WATER DRAINING TO THE SUMPS IS DIRECTED INTO THE INLET...
9. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREETS DUE TO CONSTRUCTION ACTIVITY.
10. THE CONTRACTOR SHALL CHECK AND MAINTAIN LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
11. HYDROSEED NOTES (APPLICABLE ONLY IF THERE WILL BE SLOPES THREE FEET IN VERTICAL HEIGHT OR GREATER)
A. ALL SLOPES 3 FEET IN VERTICAL HEIGHT OR GREATER AND PADS STEEPER THAN 2% SHALL BE HYDROSEED WITH THE FOLLOWING IRRIGATED SEED MIX, MULCH AND BINDING AGENT:
(CONSULTANT TO INSERT THE PROPOSED SEED MIX HERE)
B. IRRIGATION METHODS ARE REQUIRED FOR ALL AREAS HYDROSEED BETWEEN MARCH 1ST AND NOVEMBER 1ST AS NEEDED...
C. IRRIGATION SYSTEMS ARE NOT REQUIRED FOR AREAS HYDROSEED ON (OR WITHIN ONE WEEK OF) NOVEMBER 1ST; HOWEVER, TEMPORARY WATERING (BY HAND OR TRUCK) IS REQUIRED UNTIL PLANTING IS ESTABLISHED IF RAINFALL IS NOT PRESENT.

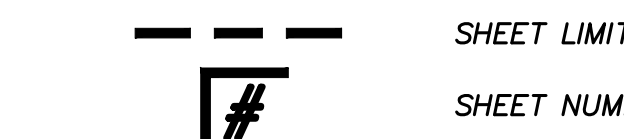
AA. MITIGATION MONITORING AND REPORTING PROGRAM NOTES:

MONUMENT PRESERVATION CERTIFICATION
THE PERMITTEE SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ALL SURVEY MONUMENTS DESTROYED BY CONSTRUCTION...
I HAVE INSPECTED THE SITE AND DETERMINED THAT:
[] NO SURVEY MONUMENTS WERE FOUND WITHIN THE LIMITS OF WORK
[] SURVEY MONUMENTS EXISTING IN OR NEAR LIMITS OF WORK WILL BE PROTECTED IN PLACE
[] SURVEY MONUMENTS HAVE BEEN TIED OUT AND A FINAL OR PARCEL MAP WILL BE FILED
[] OTHER AGENCY SURVEY MONUMENT (CORNER RECORD OR RECORD OF SURVEY MAY NOT BE REQUIRED)...
CORNER RECORD # _____ OR RECORD OF SURVEY # _____
NAME P.L.S. / R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

BB. SHEET MAP: 1" = 100'



KEY MAP LEGEND



Professional Engineer Seal for Aaron Parker, No. 68547, State of California. SB&O INC. PLANNING ENGINEERING SURVEYING 3990 Ruffin Road, Suite 120 San Diego, Ca. 92123 858-560-1141 858-560-8157 Fax

SOURCE CONTROL BMP CHECKLIST FORM 1- 4A. Table with columns for Source Control Requirements, Applied?, and checkboxes for Yes/No/N/A.

SITE DESIGN BMP CHECKLIST FORM 1- 5A. Table with columns for Site Design Requirements, Applied?, and checkboxes for Yes/No/N/A.

LIST OF ABBREVIATIONS

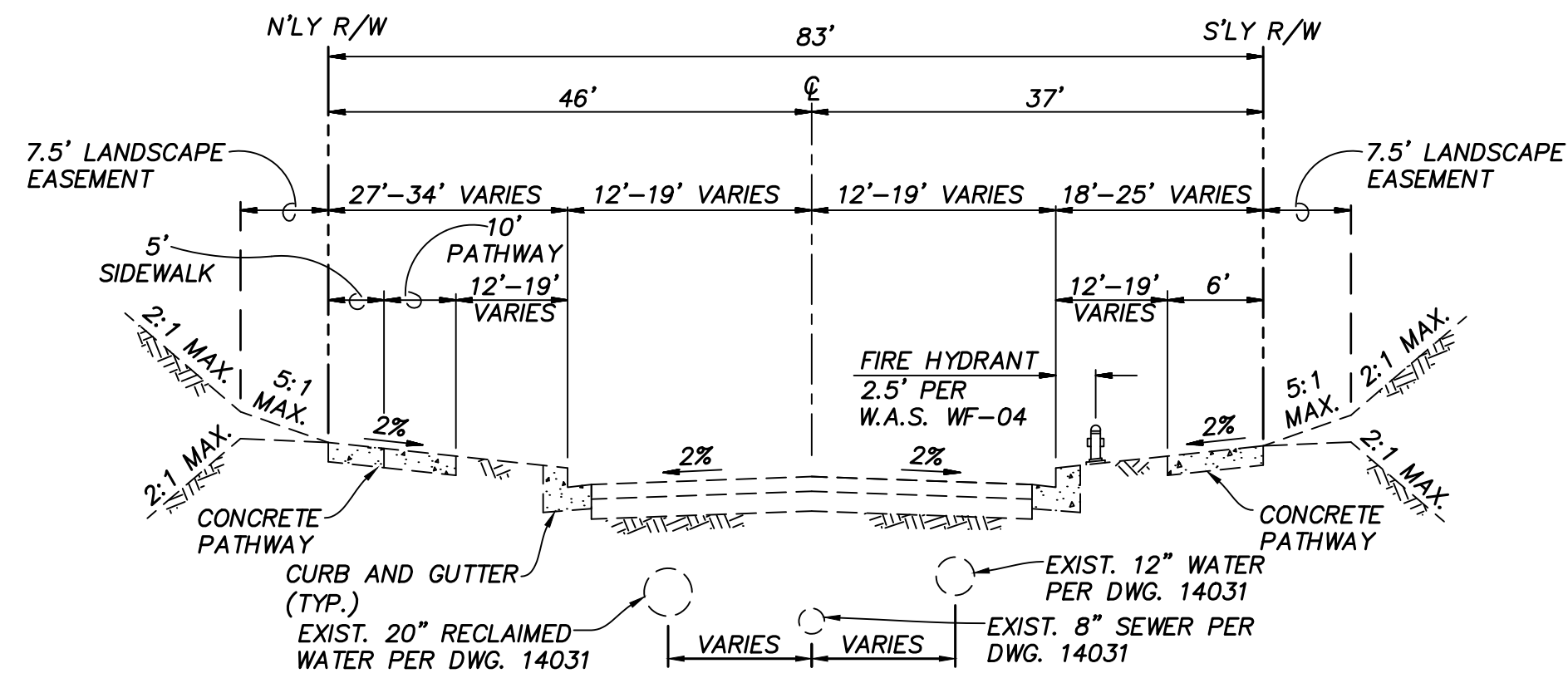
Table of abbreviations including EXIST., R/W, TYP., F.G., T.C., F.F., S.G., AC., etc. and their corresponding full names.

AS-BUILT signature block for Aaron Parker, P.E. No. 68547, My Registration Expires 9-30-23, Discipline: CIVIL.

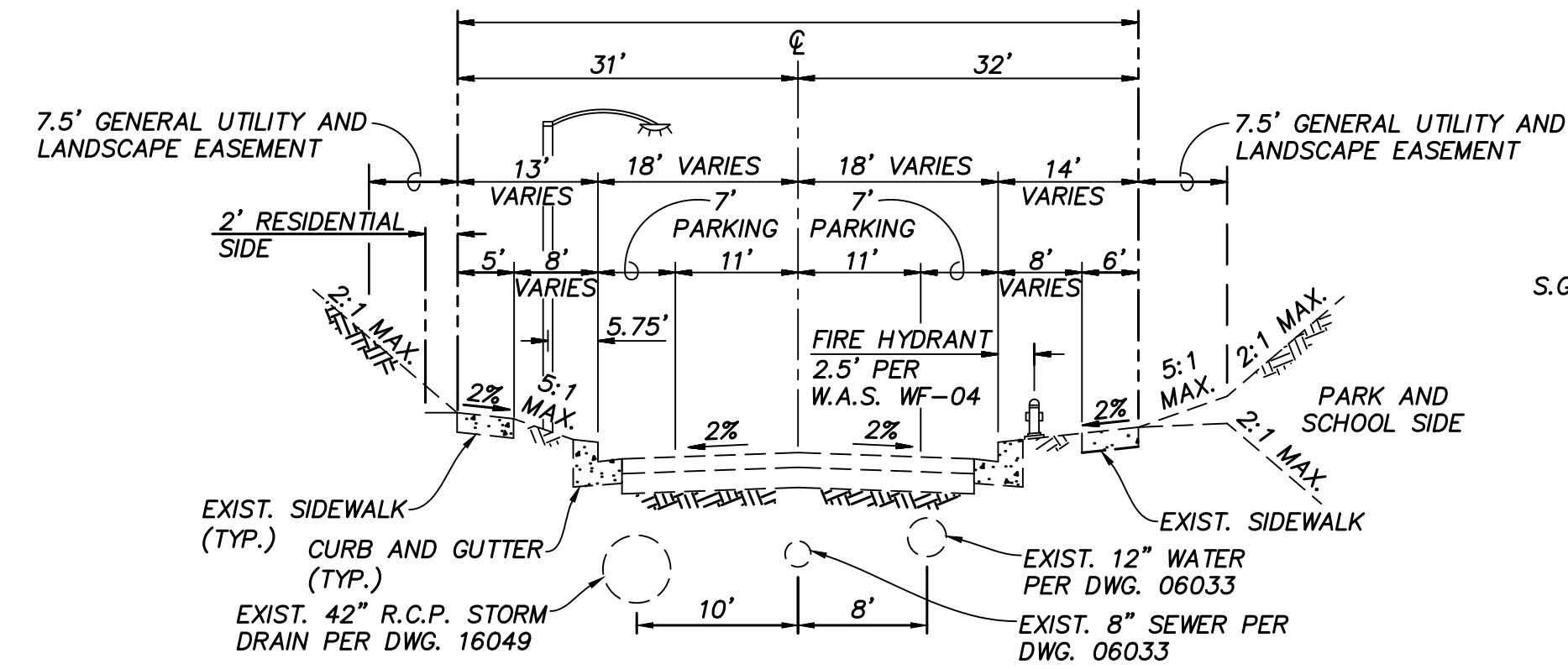


Revision table with columns for Reference Drawings, Revisions, By, Date, App'd, and Revisions.

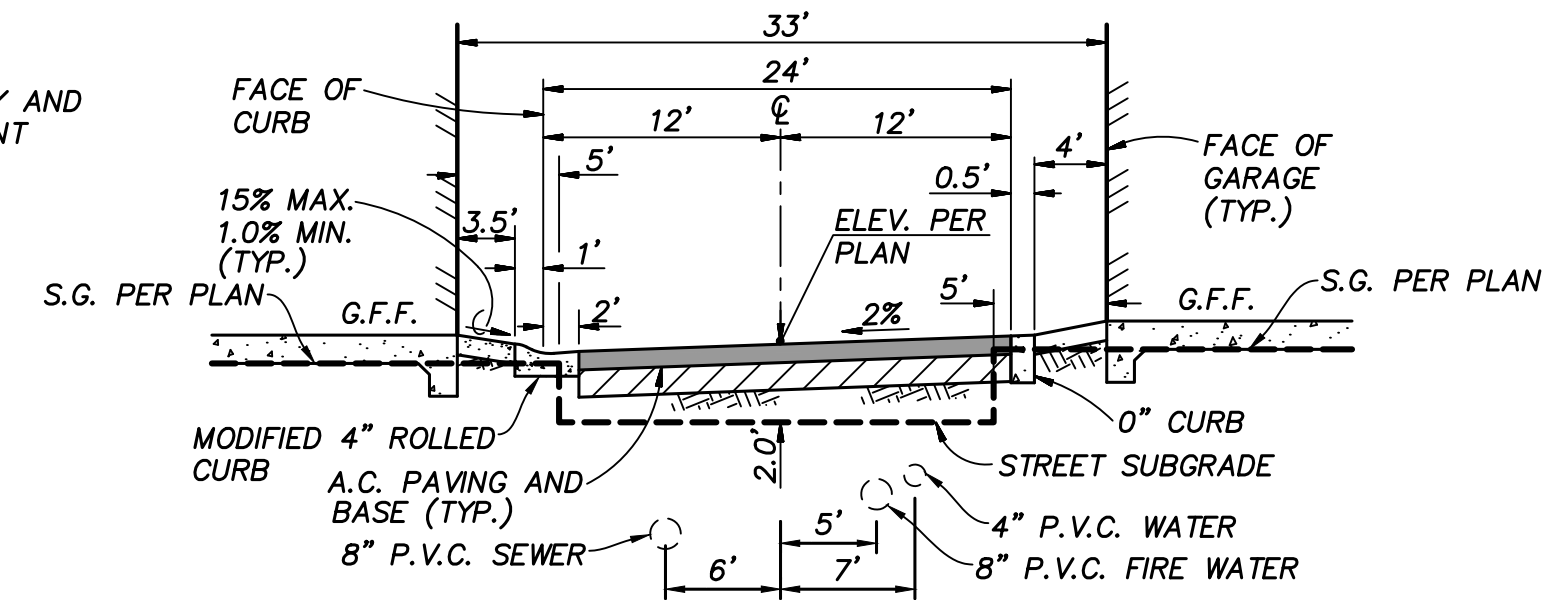
KEY MAP/NOTES/DETAIL & TYPICAL SECTIONS SHEET FOR MU-1 RESIDENTIAL. Includes Development Services Department information, City of Chula Vista logo, and AS BUILT drawing title.



TYPICAL SECTION - EXIST. SANTA VICTORIA ROAD
 NOT TO SCALE

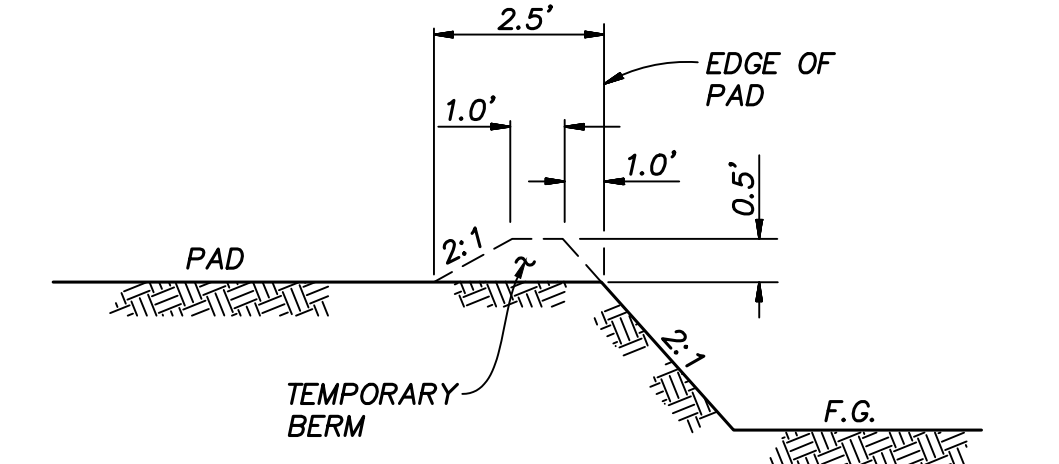


TYPICAL SECTION - EXIST. SANTA CAROLINA ROAD
 NOT TO SCALE

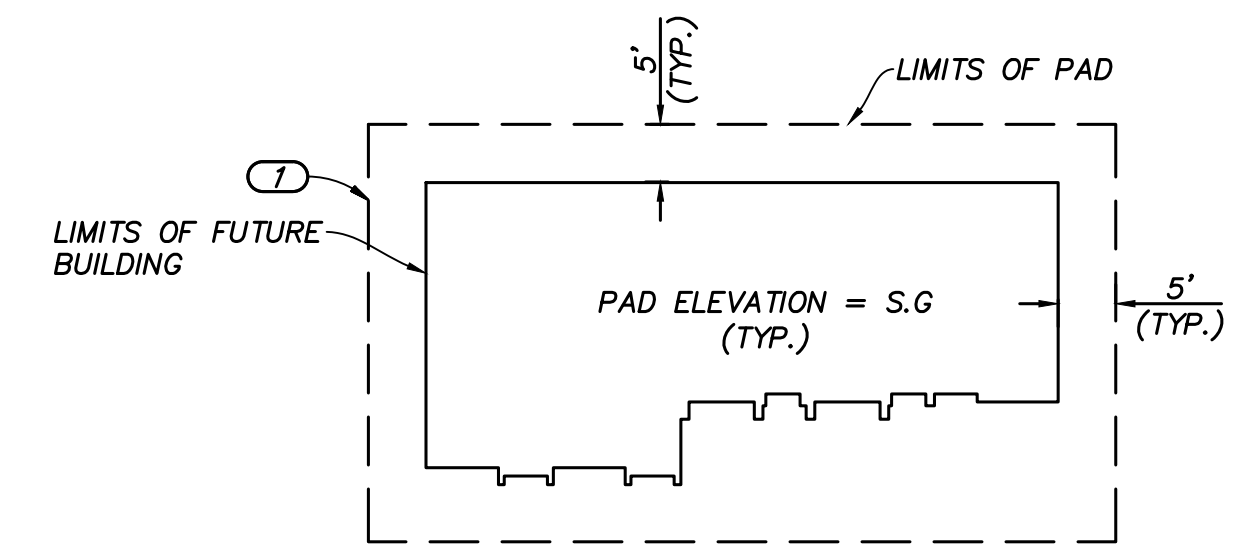


TYPICAL SECTION - PRIVATE DRIVE
 NOT TO SCALE

NOTE:
 FOR PROPOSED ONSITE PRIVATE IMPROVEMENTS SEE DWG. NO. _____



A SECTION ~ TEMPORARY BERM
 NOT TO SCALE



NOTES
 (D) TEMPORARY VERTICAL CUT 3' MAX. (UNLESS OTHERWISE NOTED). CONTRACTOR TO PERFORM ALL GRADING EXCAVATION PER OSHA REQUIREMENTS.

B TYPICAL DETAIL ~ PAD
ROUGH GRADE
 NOT TO SCALE

Plotfile: 4/18/2023 8:01 AM D:\17222\MU-1 RESIDENTIAL\03.DWG\RGPT7222R301-RG03.DWG - mguarin

AS-BUILT

SIGNATURE: AARON PARKER DATE: _____
 PRINTED NAME: AARON PARKER P.E. No.: 68547
 MY REGISTRATION EXPIRES: 9-30-23 DISCIPLINE: CIVIL



SB&O INC.
 PLANNING ENGINEERING SURVEYING
 3990 Ruffin Road, Suite 120
 San Diego, Ca. 92123
 858-560-1141
 858-560-8157 Fax

AARON PARKER DATE _____

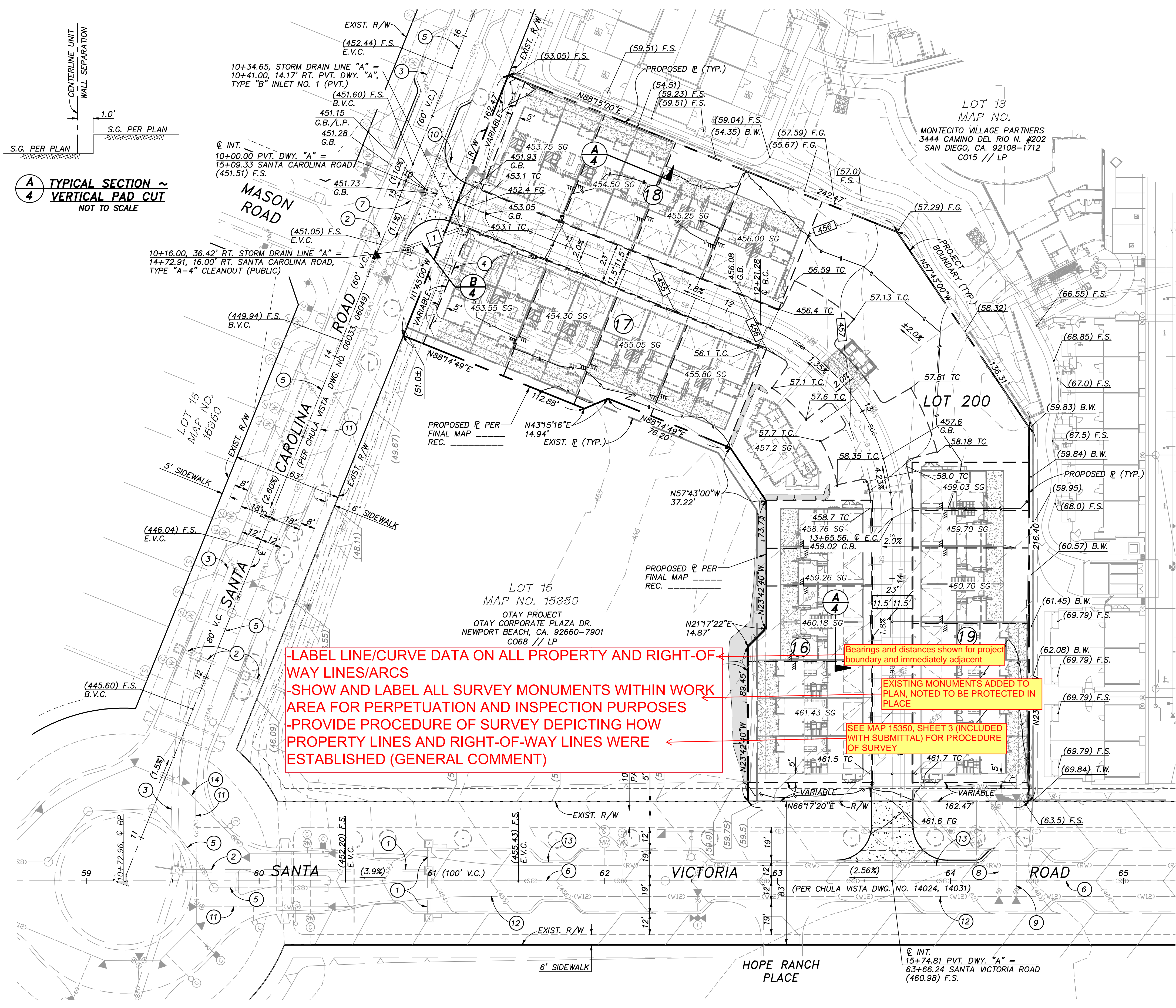
Designed By: P.R.S., A.P., C.F. Drawn By: SB&O Checked By: P.R.S., A.P., C.F.
 Plans Prepared Under Supervision Of: AARON PARKER Date: _____ R.C.E. No. 68547

THE CITY OF CHULA VISTA AREA FOR CITY APPROVAL PRELIMINARY NOT FOR CONSTRUCTION		KEY MAP/NOTES/DETAIL & TYPICAL SECTIONS SHEET FOR MU-1 RESIDENTIAL	
DEVELOPMENT SERVICES DEPARTMENT		ACCELA NO.: XXXX PROJECT NO.: 77222.20 TOTAL SHEETS: 6 XXXX - XXXX NAD83 COORDINATES XXXX - XXXX LAMBERT COORDINATES	
Approved: _____ By: _____ Principal Civil Engineer		Submitted: _____ By: _____	
Planning: _____		Landscape: _____	
AS BUILT		DRAWING NO. G003	
CONTRACTOR: _____		INSPECTOR: _____ DATE COMPLETED: _____	

REFERENCE DRAWINGS	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd

MU-1 RESIDENTIAL

CITY REVISION: 2022/04/24

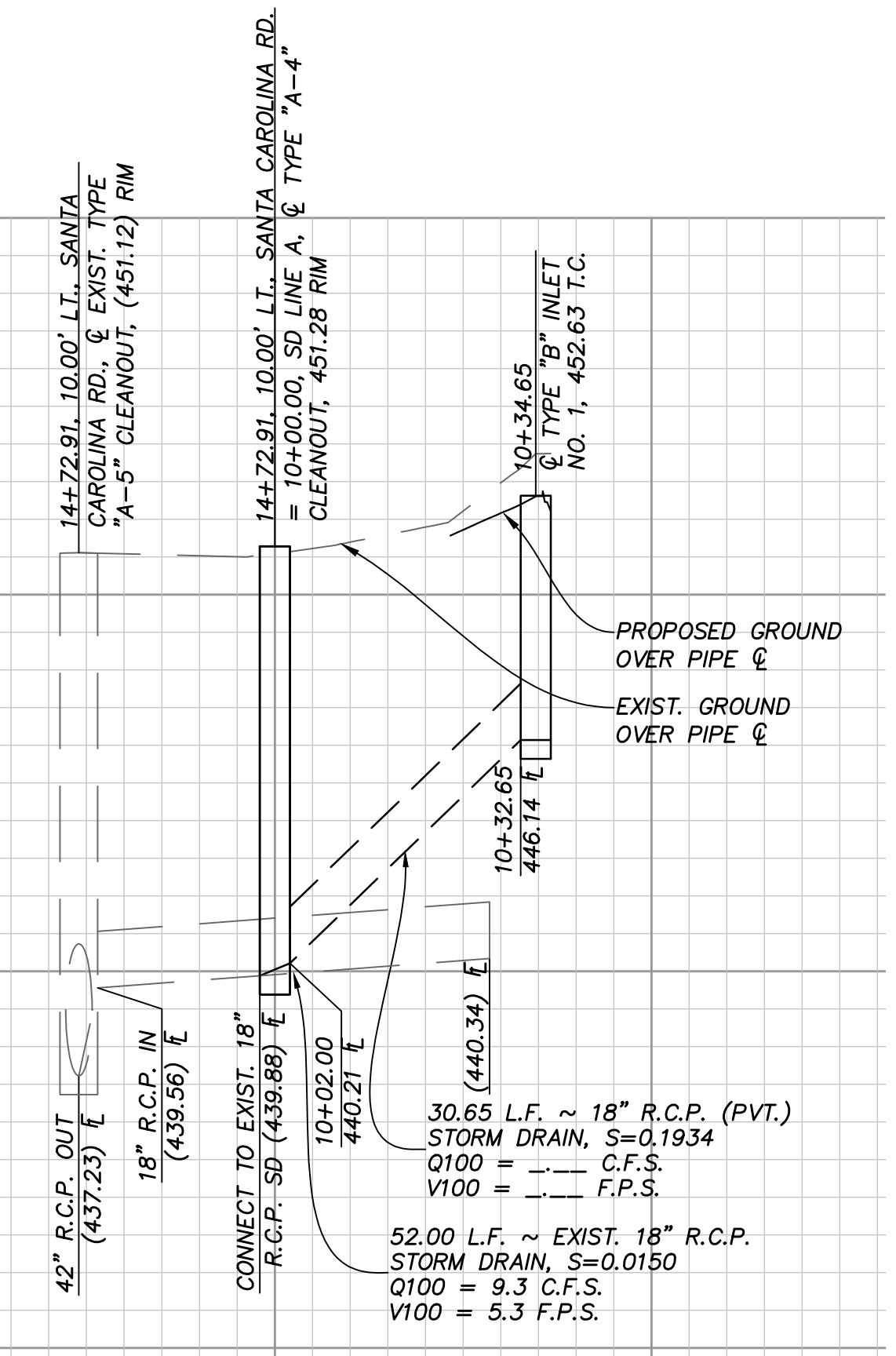


-LABEL LINE/CURVE DATA ON ALL PROPERTY AND RIGHT-OF-WAY LINES/ARCS
 -SHOW AND LABEL ALL SURVEY MONUMENTS WITHIN WORK AREA FOR PERPETUATION AND INSPECTION PURPOSES
 -PROVIDE PROCEDURE OF SURVEY DEPICTING HOW PROPERTY LINES AND RIGHT-OF-WAY LINES WERE ESTABLISHED (GENERAL COMMENT)

Bearings and distances shown for project boundary and immediately adjacent
 EXISTING MONUMENTS ADDED TO PLAN, NOTED TO BE PROTECTED IN PLACE
 SEE MAP 15350, SHEET 3 (INCLUDED WITH SUBMITTAL) FOR PROCEDURE OF SURVEY

CONSTRUCTION NOTES

DESCRIPTION



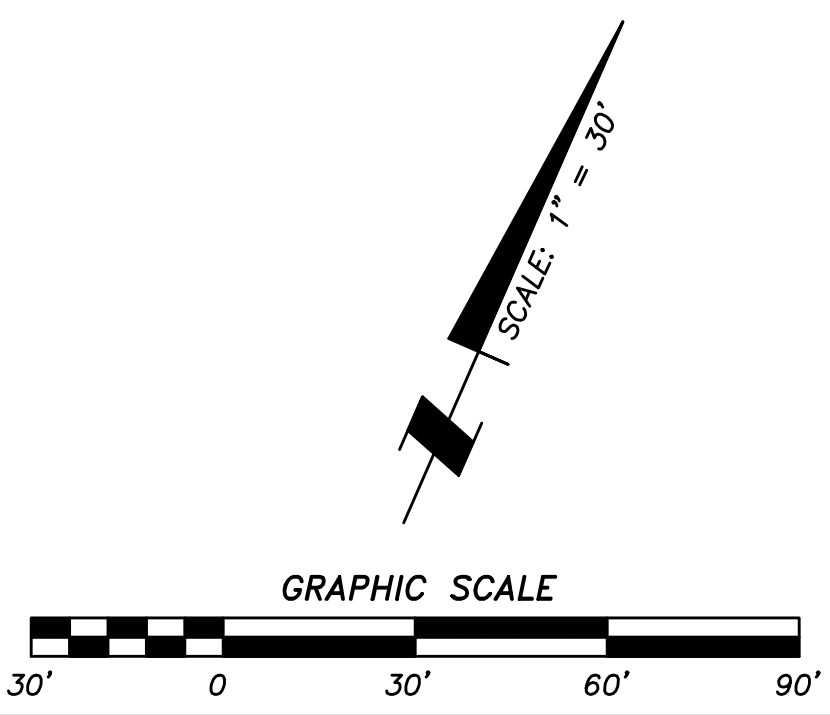
STORM DRAIN DATA TABLE

Δ/BEARING	RADIUS	LENGTH	DESCRIPTION
1	N46°53'03"E	30.65'	18" R.C.P. (PVT.)

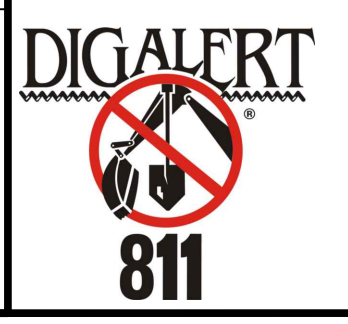
PROFILE - STORM DRAIN LINE "A" (PVT.)
 SCALE: 1" = 20'(H), 1" = 4'(V)

EXIST. UTILITY NOTES

- 1 EXISTING 18" R.C.P. STORM DRAIN PER DWG. 14024.
- 2 EXISTING 18" R.C.P. STORM DRAIN PER DWG. 16049.
- 3 EXISTING 42" R.C.P. STORM DRAIN PER DWG. 16049.
- 4 CONNECT TO EXISTING 18" R.C.P. STORM DRAIN ABANDON EXIST. 18" R.C.P. AND C.M.P. RISER TO THE EAST.
- 5 EXISTING 8" P.V.C. SEWER PER DWG. 06033.
- 6 EXISTING 8" P.V.C. SEWER PER DWG. 14031.
- 7 EXISTING 8" P.V.C. SEWER LATERAL AND STUB PER DWG. 06033.
- 8 EXISTING 6" P.V.C. WATER LATERAL PER DWG. 14031.
- 9 EXISTING 8" P.V.C. WATER LATERAL PER DWG. 14031.
- 10 EXISTING 8" P.V.C. WATER LATERAL PER DWG. 06033.
- 11 EXISTING 12" P.V.C. WATER PER DWG. 06033.
- 12 EXISTING 12" P.V.C. WATER PER DWG. 14031.
- 13 EXISTING 20" P.V.C. RECLAIMED WATER PER DWG. 14031.
- 14 EXISTING 20" P.V.C. RECLAIMED WATER PER DWG. 06033.



AS-BUILT
 SIGNATURE: AARON PARKER
 DATE: _____
 P.E. No.: 68547
 MY REGISTRATION EXPIRES: 9-30-23
 DISCIPLINE: CIVIL



NOTE:
 FOR PROPOSED PUBLIC IMPROVEMENTS SEE DWG. NO. _____
NOTE:
 FOR PROPOSED ONSITE PRIVATE IMPROVEMENTS SEE DWG. NO. _____

SB&O INC.
 PLANNING ENGINEERING SURVEYING
 3990 Ruffin Road, Suite 120
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 858-560-1141 858-560-8157
 Fax

REFERENCE DRAWINGS	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd

ROUGH GRADING PLANS FOR
MU-1 RESIDENTIAL

DEVELOPMENT SERVICES DEPARTMENT

THE CITY OF CHULA VISTA
 AREA FOR CITY APPROVAL
PRELIMINARY NOT FOR CONSTRUCTION

Approved: _____
 By: _____ Principal Civil Engineer

Submitted: _____
 By: _____

Planning: _____ Landscape: _____

AS BUILT

CONTRACTOR: _____
 INSPECTOR: _____ DATE COMPLETED: _____

ACCELA NO.: XXXX
 PROJECT NO.: 77222.20
 TOTAL SHEETS: 6
 XXXX - XXXX
 NAD83 COORDINATES
 XXXX - XXXX
 LAMBERT COORDINATES

DRAWING NO. G004
 XXXXX.XXX

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MU-1 RESIDENTIAL

CP REVISION: 2023/04/24

EROSION CONTROL NOTES

PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, TEMPORARY EROSION CONTROL SHALL BE PERFORMED AND INSTALLED BY THE CONTRACTOR AS INDICATED BELOW.

- 1. THE EROSION CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AND MODIFICATION OF THE EROSION CONTROL DEVICES DURING THE RAINY SEASON... 2. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR WRITTEN APPROVAL... 3. TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES, WHICH INTERFERE WITH THE WORK, SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES... 4. ALL REMOVABLE PROTECTION BEST MANAGEMENT PRACTICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT... 5. EFFECTIVE PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND SHALL EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINAL APPROVAL... 6. A 12 INCH HIGH BY 3 FEET WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS... 7. SILT BASINS, TRAPS, OR SANDBAGS SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM... 8. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPE, THE CONTRACTOR SHALL INSURE THAT WATER DRAINING TO THE SUMPS IS DIRECTED INTO THE INLET... 9. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREETS DUE TO CONSTRUCTION ACTIVITY... 10. THE CONTRACTOR SHALL CHECK AND MAINTAIN LINED AND UNLINED DITCHES AFTER EACH RAINFALL... 11. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH RAINFALL EXCEEDING 1/4" IN A 12-HOUR PERIOD... 12. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON... 13. DEVICES SHOWN ON THESE PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE PUBLIC WORKS INSPECTOR... 14. THE CONTRACTOR SHALL RESTORE ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES TO WORKING ORDER... 15. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED... 16. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION... 17. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREIN... 18. GRADED AREA AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY... 19. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT RICH NORTON AT 949-278-9212... 20. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT MAY RESULT FROM GRADING OPERATIONS...

LEGEND table with columns: DESCRIPTION, C.A.S.Q.A. STANDARD, SYMBOL. Includes items like EARTH SWALE, STABILIZED SLOPES WITH SOIL BINDER, SILT FENCE, GRAVEL BAGS, INLET PROTECTION, WIND EROSION, FIBER ROLL, STORM DRAIN, CONCRETE WASHOUT, MATERIAL STORAGE AREA, SANITARY FACILITIES, WASTE STORAGE AREA, SOIL STOCKPILE, LANDSCAPE STOCKPILE, EROSION CONTROL STOCKPILE, FUELING AREA, VEHICLE MAINTENANCE, EQUIPMENT STORAGE, HAZARDOUS MATERIAL STORAGE, CLEANUP MATERIALS, CONSTRUCTION TRAILER.

*CONTRACTOR IS TO UPDATE S.W.P.P. WALL MAP (THIS EXHIBIT) TO REFLECT ACTUAL B.M.P. LOCATIONS.

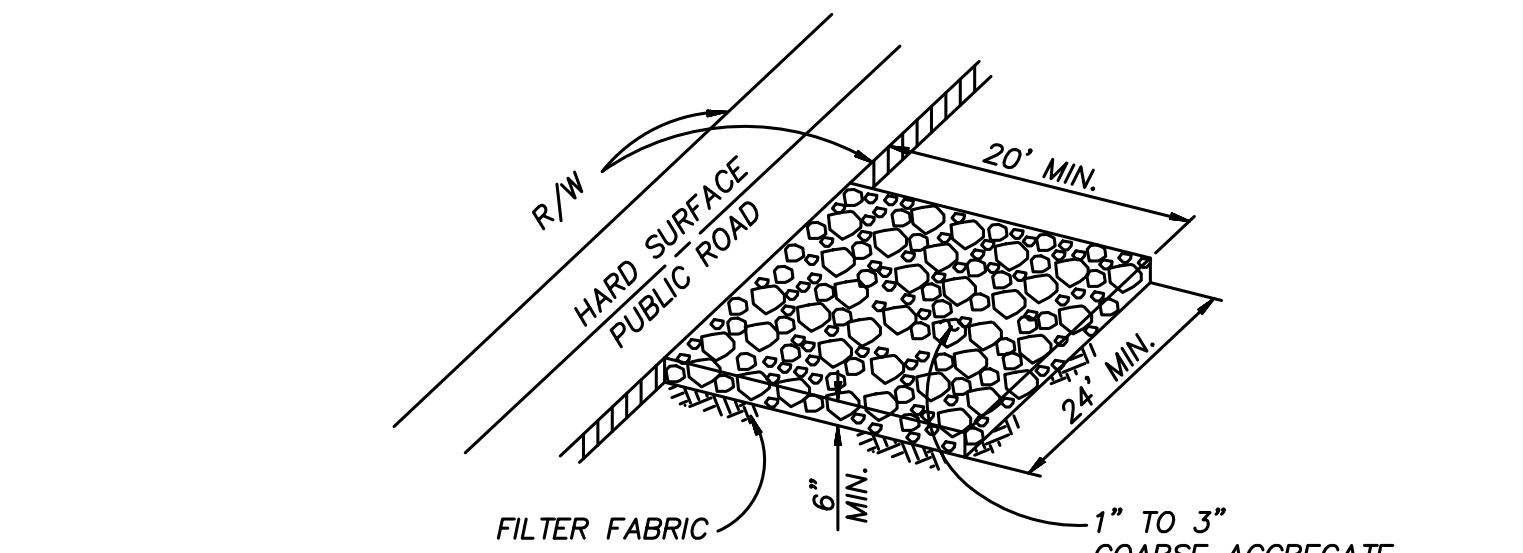
NOTICE EFFECTIVE SOIL COVER MUST BE EMPLOYED FOR INACTIVE AREAS WHICH INCLUDES ALL FINISHED SLOPES, OPEN SPACE, UTILITY BACKFILL, AND COMPLETED PADS. INACTIVE AREAS OF CONSTRUCTION ARE AREAS THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST 14 DAYS.

EROSION CONTROL FOR INACTIVE AREAS OF CONSTRUCTION

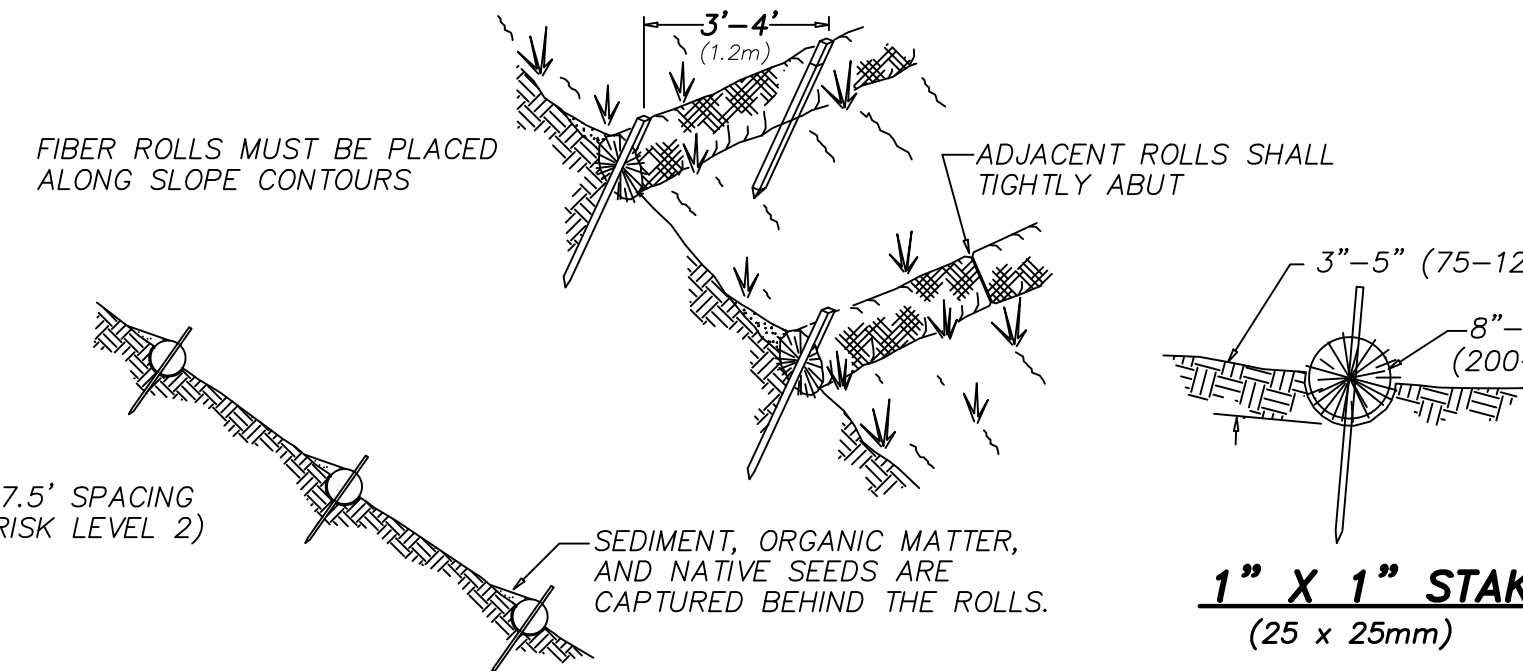
- CONTRACTOR SHALL PROVIDE SOIL STABILIZATION BMPs TO ANY AREAS OF CONSTRUCTION THAT HAVE BEEN DISTURBED (INCLUDING FLAT-GRADED AREAS) AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST 14 DAYS... PRESERVATION OF EXIST. VEGETATION (EC-2), HYDRAULIC MULCH (EC-3), HYDROSEEDING (EC-4), SOIL BINDERS (EC-5), STRAW MULCH (EC-6), GEOTEXTILES AND MATS (EC-7), WOOD MULCH (EC-8), COMPOST BLANKETS (EC-14)

LANDSCAPE NOTES

- 1. ALL SLOPES 3 FEET IN VERTICAL HEIGHT AND GREATER SHALL BE PLANTED AND IRRIGATED IN ACCORDANCE WITH LANDSCAPE IMPROVEMENT PLANS... 2. FINISH GRADING AND PLANTING SHALL BE ACCOMPLISHED ON ALL SLOPES PRIOR TO OCTOBER 1 OR IMMEDIATELY UPON COMPLETION OF ANY SLOPES GRADED BETWEEN OCTOBER 1 AND APRIL 1... 3. PRIOR TO GRADING, CONTRACTOR SHALL FIELD VERIFY EXISTING IRRIGATION SYSTEMS... 4. EFFECTIVE PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND SHALL EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINAL APPROVAL...



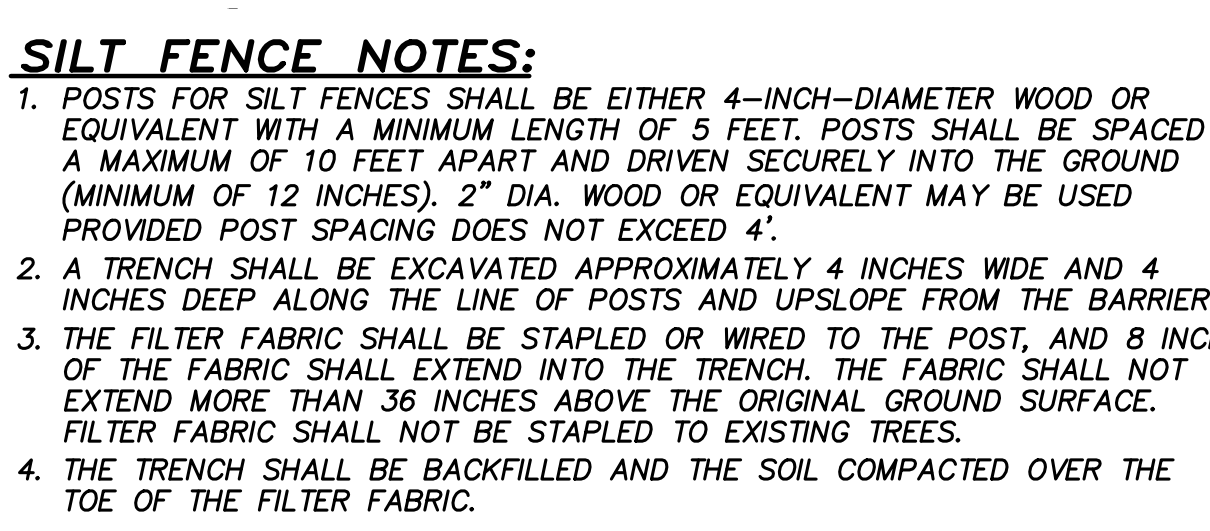
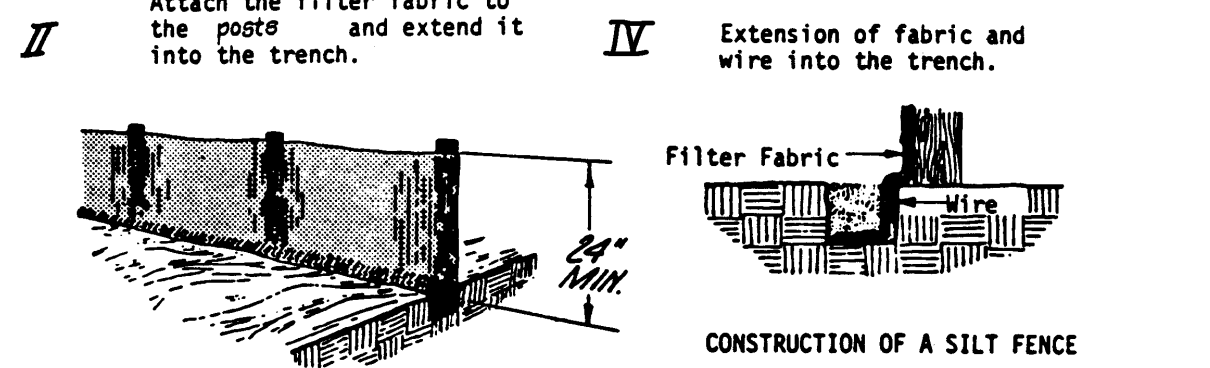
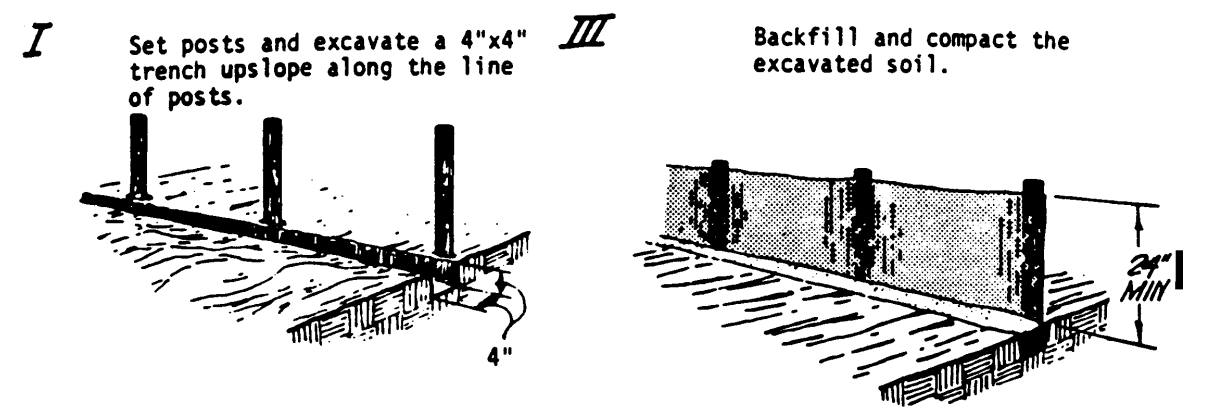
DETAIL - STABILIZED CONSTRUCTION ENTRY NOT TO SCALE SEE SHEET 6



DETAIL - FIBER ROLLS NOT TO SCALE

FIBER ROLL NOTES CONSTRUCTION STANDARDS AND SPECIFICATIONS:

- PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED... DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL... IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR... INSPECTION AND MAINTENANCE: INSPECT THE FIBER ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS...



DETAIL - TYPICAL SILT FENCE NOT TO SCALE

HYDROSEED PROCEDURES

- 4.4-1 SEED MIXES SHALL BE SPECIFIED BY THE PURE LIVE SEED OF EACH SPECIES... 4.4-2 FIBER MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 2,000 POUNDS PER ACRE... 4.4-3 A WETTING AGENT CONSISTING OF 95 PERCENT ALKYL POLYETHYLENE GLYCOL ETHER SHALL BE APPLIED AS PER "MANUFACTURERS" RECOMMENDATIONS... 4.4-4 EQUIPMENT USED FOR THE APPLICATION OF SLURRY SHALL HAVE A BUILT-IN AGITATION SYSTEM TO SUSPEND AND HOMOGENEOUSLY MIX THE SLURRY...

INTERIM BINDER NOTE

GRADED, DISTURB OR ERODED AREAS TO BE TREATED WITH A NON-IRRIGATED HYDROSEED MIX SHALL RECEIVE AN INTERIM BINDER/TACKIFIER AS NEEDED BETWEEN APRIL 2ND AND AUGUST 31ST FOR DUST-EROSION CONTROL WITH SUBSEQUENT APPLICATION OF HYDROSEED MIX DURING RAINY SEASON BETWEEN OCTOBER 1ST AND APRIL 1ST.

HYDROSEED NOTES

- 1. ALL SLOPES 3 FEET IN VERTICAL HEIGHT OR GREATER AND PADS STEEPER THAN 2% SHALL BE HYDROSEEDED WITH THE FOLLOWING IRRIGATED SEED MIX, MULCH AND BINDING AGENT... SPECIES: BROMUS MOLLIS (30 POUNDS/ACRE), FESTUCA MEGALURA (12 POUNDS/ACRE)... 2. IRRIGATION METHODS ARE REQUIRED FOR ALL AREAS HYDROSEEDED BETWEEN MARCH FIRST AND NOVEMBER FIRST... 3. IRRIGATION SYSTEMS ARE NOT REQUIRED FOR AREAS HYDROSEEDED ON (OR WITHIN ONE WEEK OF) NOVEMBER FIRST... 4. NON-IRRIGATED HYDROSEED MIX IS ACCEPTABLE (SEE INTERIM BINDER NOTE).

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STATEMENT

DEVELOPMENT THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF STATE WATER RESOURCES CONTROL BOARD (SWRCB) (NPDES GENERAL PERMIT NO. CAS000002, WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY... A COMPLETE AND ACCURATE NOTICE-OF-INTENT (NOI) WILL BE FILED WITH THE SWRCB. A COPY OF THE ACKNOWLEDGMENT FROM THE SWRCB THAT A NOI HAS BEEN RECEIVED FOR THIS PROJECT SHALL BE FILED WITH THE CITY OF CHULA VISTA WHEN RECEIVED... IN ADDITION, THE UNDERSIGNED AND SUBSEQUENT OWNER(S) OF ANY PORTION OF THE PROPERTY COVERED BY THIS GRADING PERMIT NO. PG-972 SHALL COMPLY WITH SPECIAL PROVISIONS REGARDING THE REVOCATION OR CANCELLATION OF NPDES GENERAL PERMIT COVERAGE, AS SET FORTH IN SWRCB ORDER NO. CAS000002, AND ANY SUBSEQUENT AMENDMENTS THEREOF AND REISSUANCES THEREOF.

OWNER OF LAND SIGNATURE AND DATE fields.

AS-BUILT SIGNATURE AND DATE fields, including DIGALERT 811 logo.

SB&O INC. PLANNING ENGINEERING SURVEYING 3990 Ruffin Road, Suite 120 San Diego, Ca. 92123

Table with columns: REFERENCE DRAWINGS, REVISIONS, By, Date, App'd. Includes revision history table.

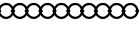

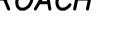
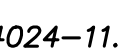
EROSION CONTROL TITLE SHEET FOR MU-1 RESIDENTIAL. Includes fields for APPROVED, SUBMITTED, PERMITTED, and contractor/inspector information.

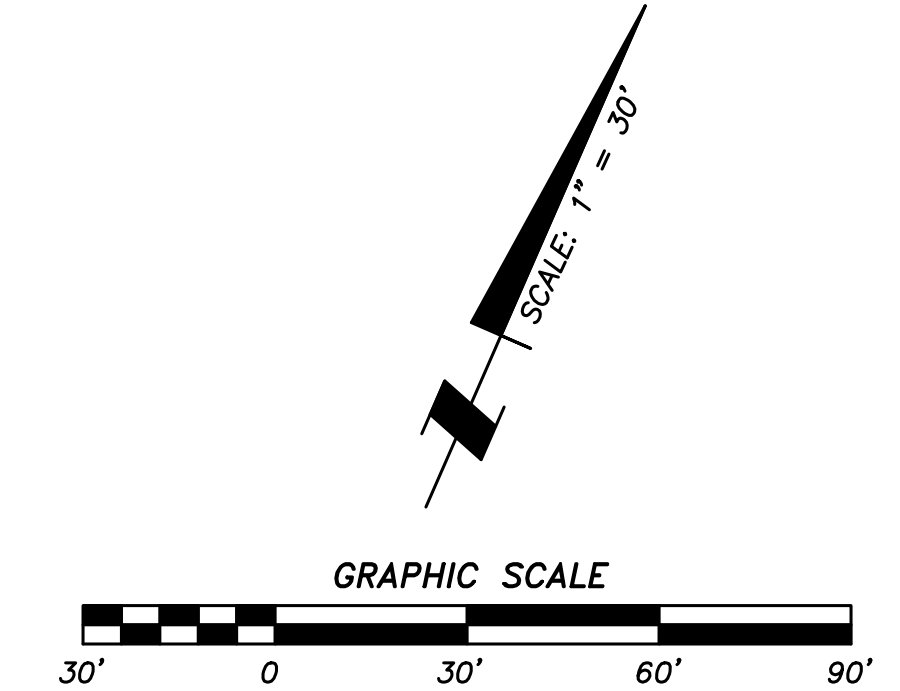
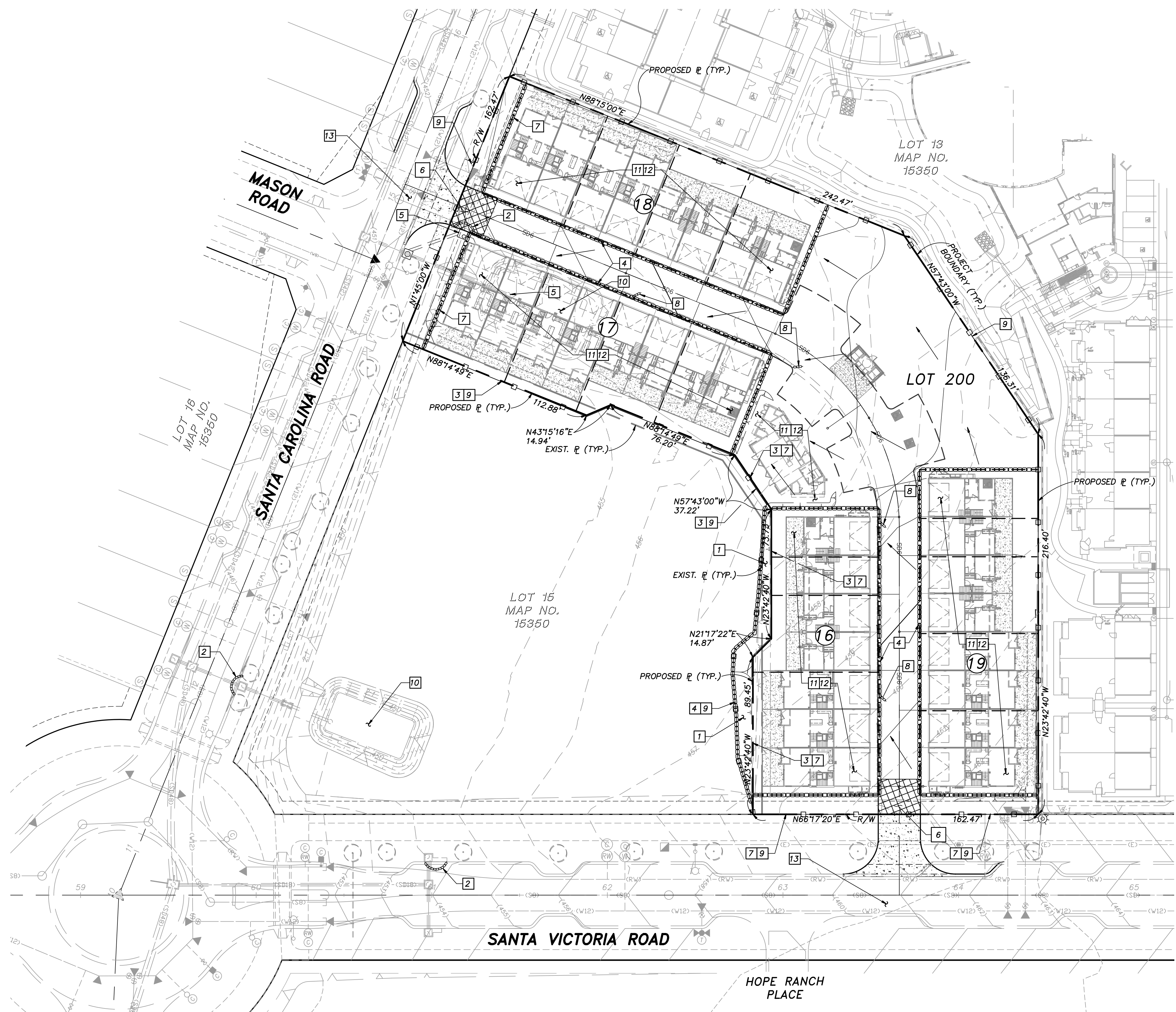
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MU-1 RESIDENTIAL

CS REVISIONS: 2022/04/24

CONSTRUCTION NOTES

DESCRIPTION	CASQA STANDARD
1 STABILIZE ALL SLOPES GREATER THAN 3' IN HEIGHT.	EC-4
2 PROVIDE INLET PROTECTION (TYP.).	SE-10
3 A BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROCESS. CONCENTRATED WATER SHALL BE CARRIED NOT CLOSER THAN 10 FEET FROM THE TOP OF SLOPES SEE (A/3)	
4 INSTALL GRAVEL BAGS OR FIBER ROLLS. 	SE-5, SE-6
5 DISCHARGE LOCATION.	
6 INSTALL STABILIZED CONSTRUCTION ENTRY. 	TC-1
7 MAINTAIN DRAINAGE AWAY FROM TOP OF SLOPES.	SE-8
8 SINGLE ROW GRAVEL BAGS. DO NOT ENCROACH INTO TRAVELED WAY. 	
9 INSTALL SILT FENCE AT TOE OF SLOPES/LIMITS OF WORK. 	SE-1
10 EXISTING DESILT BASIN PER DWG. NO. 14024-11. PROTECT IN PLACE.	EC-3 THROUGH EC-8
11 PAD STABILIZATION.	WE-1
12 WIND EROSION.	SC-7
13 STREET SWEEPING.	



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AS-BUILT

SIGNATURE: AARON PARKER
 DATE: _____
 P.E. No.: 68547
 PRINTED NAME: _____
 MY REGISTRATION EXPIRES: 9-30-23 DISCIPLINE: CIVIL



SB&O INC.
 PLANNING ENGINEERING SURVEYING
 3990 Ruffin Road, Suite 120
 San Diego, Ca. 92123
 858-560-1141
 858-560-8157 Fax

THE CITY OF CHULA VISTA AREA FOR CITY APPROVAL PRELIMINARY NOT FOR CONSTRUCTION		EROSION CONTROL PLANS FOR <h2>MU-1 RESIDENTIAL</h2>	
		DEVELOPMENT SERVICES DEPARTMENT	ACCELA NO.: XXXX PROJECT NO.: 77222.20 TOTAL SHEETS: 6 XXXX - XXXX NAD83 COORDINATES XXXX - XXXX LAMBERT COORDINATES
Approved: _____ By: _____ Principal Civil Engineer		Submitted: _____ By: _____	
Planning: _____		Landscape: _____	
AS BUILT		DRAWING NO. G006	
CONTRACTOR: _____		INSPECTOR: _____ DATE COMPLETED: _____	

REFERENCE DRAWINGS	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd	REVISIONS	By	Date	App'd	DESIGNED BY	CHECKED BY
													AARON PARKER	P.R.S., A.P., C.F.
													SB&O	P.R.S., A.P., C.F.
													AARON PARKER	P.R.S., A.P., C.F.

MU-1 RESIDENTIAL

C:\REVISIONS: 2022/04/24