GENERAL NOTES

1. CONSTRUCTION PERMIT IS REQUIRED FOR ALL CONTRACTORS PERFORMING ANY OF THE WORK SHOWN ON THIS PLAN. THE PERMIT CAN BE OBTAINED AT THE CITY OF VISTA COMMUNITY DEVELOPMENT SERVICES CENTER. 200 CIVIC CENTER DRIVE. VISTA, CA. A PERMIT WILL BE ISSUED ONLY TO THE CONTRACTOR WHO IS TO PERFORM THE WORK. THE PERMITTEE SHALL GIVE NOTICE TO THE CITY OF VISTA ENGINEERING INSPECTION DEPARTMENT FOR A PRE-CONSTRUCTION CONFERENCE AT LEAST 48 HOURS PRIOR TO COMMENCING THE WORK. ANY WORK DONE WITHOUT PROPER INSPECTION WILL BE SUBJECT TO REJECTION. PHONE: 760-639-6113 FOR INSPECTION.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES. FOR LOCATION OF UNDERGROUND UTILITIES. OR FOR EMERGENCY ASSISTANCE CALL:

UNDERGROUND SERVICE ALERT SAN DIEGO GAS & ELECTRIC AT&T VISTA IRRIGATION DISTRICT VISTA IRRIGATION DISTRICT COX COMMUNICATIONS TIME WARNER CABLE CITY OF VISTA CITY OF VISTA

(EMERGENCY) (EMERGENCY) (ENGINEERING DEPT.) (EMERGENCY) (EMERGENCY) (EMERGENCY) (MAIN NUMBER) (ENGINEERING DEPT.)

PRESS 811 800-411-7343 PRESS 611 760-597-3116 760-597-3131 760-599-6063 760-438-7741 760-726-1340 760–639–6111

CITY OF VISTA AFTER HOURS EMERGENCY DISPATCH FOR SEWER SPILLS OR STORM DRAIN CONTAMINATION: CALL NORTH COUNTY DISPATCH JPA (NCDJPA) ("NORTH COMM") (EMERGENCY) @ 858-756-3006.

- 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), ANY SUPPLEMENTS, AND THE SAN DIEGO REGIONAL SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS LAST AMENDED.
- 4. THE STREET STRUCTURAL SECTION SHALL BE AS SHOWN ON THE CROSS SECTION OR DETAIL SHEET. ALL DRIVEWAY APRONS, CURB & GUTTER, AND SIDEWALKS WITH UNDERLYING SOILS HAVING AN 'R' VALUE LESS THAN 25 MUST HAVE A MINIMUM OF 6" CLASS 2 AGGREGATE BASE OR APPROVED EQUAL.
- 5. "AS-BUILT" DRAWING(S) SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEER PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENTS. SEPARATE "AS-BUILT" DRAWING(S) SHALL BE SUBMITTED FOR THE STREET LIGHTING SYSTEM (SEE CITY OF VISTA STANDARD DRAWINGS ELE-1A > -1C AND ELE-2A > ELE-2E).

SPECIAL NOTES

- THE FOLLOWING NOTES ARE PROVIDED TO GIVE INSTRUCTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. . NEITHER THE AGENCY NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT CHANGES TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF THE ACTUAL LOCATION OF EXISTING FACILITIES. NOTIFY THE ENGINEER OF WORK OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION.
- 3. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY PROPOSED WORK SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
- 4. BEFORE EXCAVATING FOR THIS CONTRACT, CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY CONDUITS OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTLITIES. LOCATIONS OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
- 5. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- 6. WHERE TRENCHES ARE ADJACENT TO FUTURE BUILDING SITES, GEOTECHNICAL REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED GEOTECHNICAL ENGINEER CERTIFYING THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE ON-SITE EARTHWORK SPECIFICATIONS.
- 7. SAFETY FENCES SHALL BE PROVIDED BY THE CONTRACTOR WHERE REQUIRED BY THE CITY ENGINEER TO PROTECT THE PUBLIC
- 8. DURING ACTIVE CONSTRUCTION, AREAS SHALL BE WATERED TO REDUCE FUGITIVE DUST.
- 9. CONTRACTOR SHALL ADJUST ALL PROPOSED AND EXISTING FACILITIES 10 GRADE.
- 10. CONTRACTOR SHALL REMOVE / REPLACE / RELOCATE ALL EXISTING FACILITIES REQUIRED TO INSTALL PROPOSED IMPROVEMENTS.
- 11. CONTRACTOR SHALL REMOVE / REPLACE / RELOCATE ANY LANDSCAPING / HANDSCAPING WHICH CONFLICTS IN ANY WAY WITH THE INSTALLATION OR PROPER FUNCTIONING OF THE PROPOSED IMPROVEMENTS.
- 12. CONTRACTOR SHALL RELOCATE/ADJUST/REPLACE ANY EXISTING IRRIGATION WHICH INTERFERES WITH THE PROPOSED IMPROVEMENTS, AND SHALL ENSURE THE PROPER FUNCTIONING OF THE IRRIGATION SYSTEM

13. CURB FACE HEIGHT SHALL BE 6" TO MATCH THE EXISTING CURB. 14 CONTRACTOR SHALL COORDINATE/SCHEDULE/INFORM THE CITY OF PROPOSED WATER METER RELOCATIONS, CONFLICTS, ISSUES OR SERVICE SHUT DOWNS WELL IN ADVANCE OF THE ACTUAL WORK. THE CONTRACTOR SHALL INFORM THE CITY OF ANY COMMUNICATIONS WITH VID OR RESIDENCES. CONTRACTOR SHALL MINIMIZE IMPACTS TO DISRUPTION OF WATER SERVICE.

15. CONTRACTOR SHALL DOCUMENT EXISTING STRIPING/MARKERS PRIOR TO ANY REMOVALS AND REPLACE IN KIND PER APPROVAL OF PROJECT ENGINEER.

<u>CONTRACTOR'S NOTE</u>

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 THE 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, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD AGENCY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE AGENCY.

EROSION CONTROL

SEE EROSION CONTROL PLANS AND PROJECT SPECIFICATIONS FOR EROSION CONTROL REQUIREMENTS.

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UNDERGROUND SERVICE ALERT SECTION 4216 & 4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDEN IFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID, FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT 811 TWO (2) WORKING DAY BEFORE YOU DIG. WEB ADDRESS: www.digalert.org or www.call811.com

CITY OF VISTA FIRE DEPARTMEN (NOT REQUIRED)

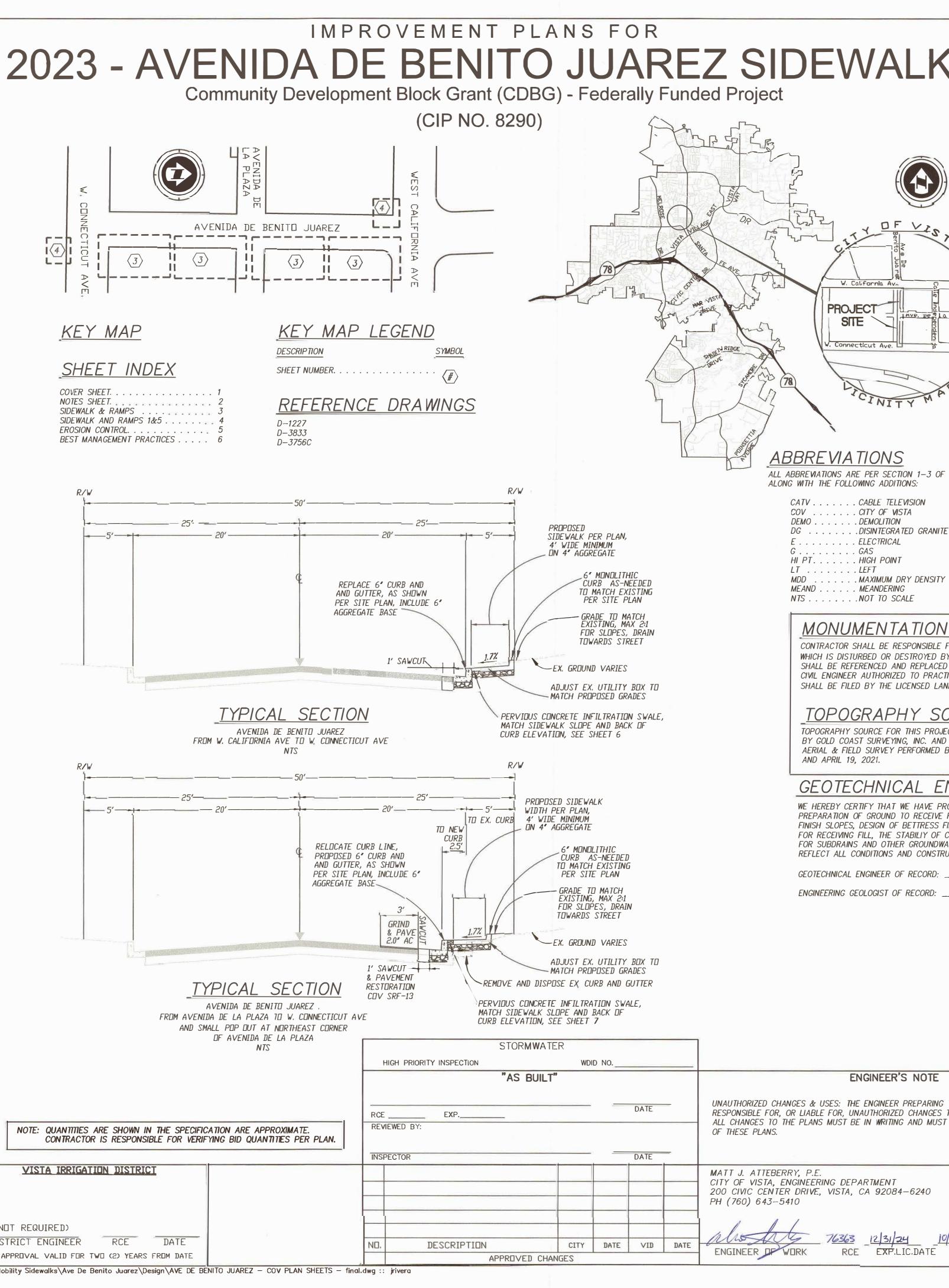
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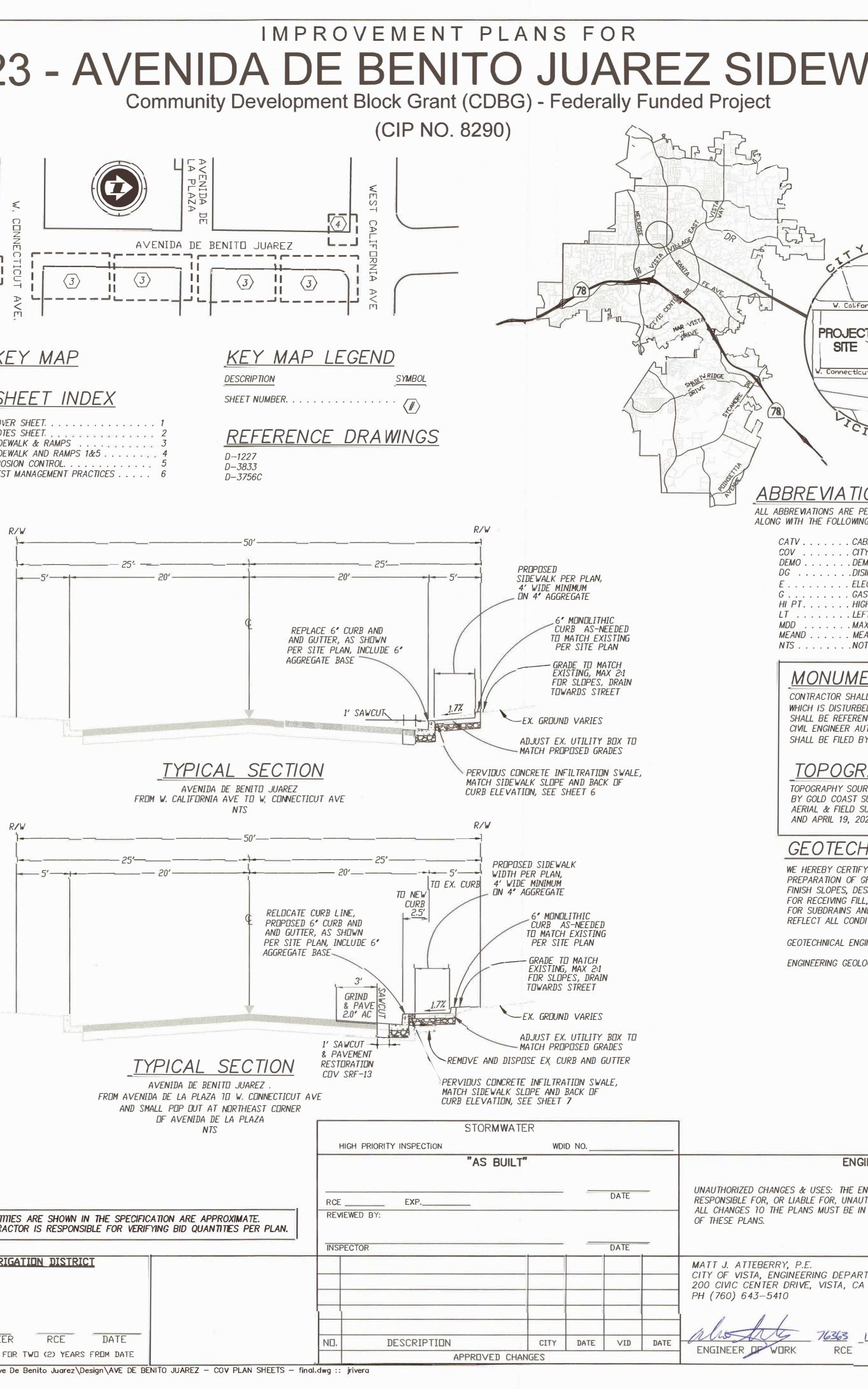
(NOT REQUIRED) DISTRICT ENGINEER RCE APPROVAL VALID FOR TWO (2) YEARS FROM DATE

Plotted - 9/28/2023 11:	:18:55 AM :: Saved - 9/28/2023 11:	0:55 AM :: 0:\Engineering\Department Only\CIP\	\8290 - Pedestrian Mobility Sidewalks\Ave De Benito Juarez\Desig

APPROVED

<u>key map</u>





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	· · · · · · · · VISTA IRRIGA	TION DISTRICT			
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NGINEER OF RECORD: <u>N/A</u>		DATE: <u>N/A</u> DATE: <u>N/A</u>			
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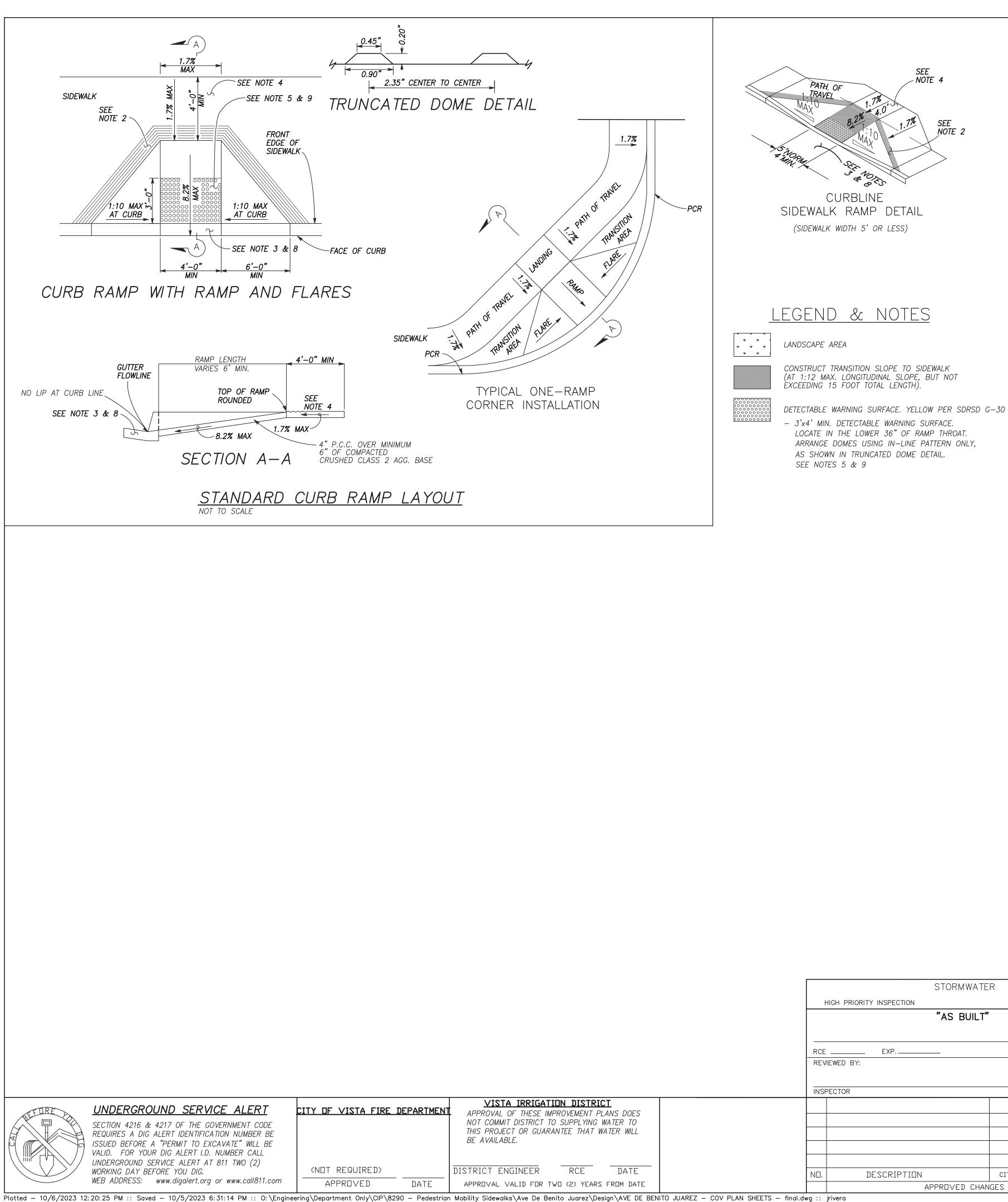
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FLUSH WITH AC PAVING

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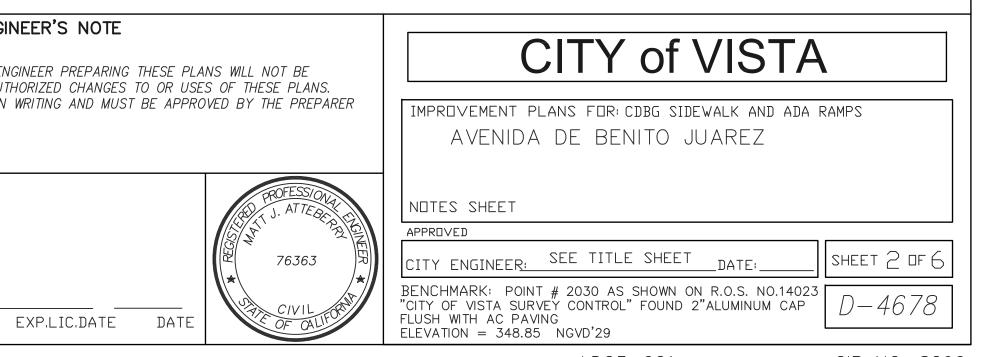
CURB RAMP NOTES

- 1. MAXIMUM SLOPE OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCÉSSIBLE ROUTE SHALL NOT EXCEED 5 PERCENT WITHIN 4'-O OF THE OF THE BOTTOM OF THE CURB RAMP.
- 2. THE CURB RAMP SHALL BE BOUNDED BY A 12 INCH WIDE GROOVED BORDER WITH A 1/4-INCH WIDE BY 1/4-INCH DEEP GROOVES SCORED 3/4"-INCH APART CENTER TO CENTER.
- 3. THE BOTTOM OF THE RAMP SHALL BE FLUSH WITH THE LOWER LANDING (NO HALF-INCH LIP), AS SHOWN ON DETAIL 'B' OF SDARSD G-32. 4. A LEVEL LANDING 4-FEET DEEP MINIMUM, 1.5% MAXIMUM SLOPE EACH DIRECTION, SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP TO ALLOW SAFE
- EGRESS FROM THE RAMP SURFACE. THE WIDTH OF THE LEVEL LANDING SHALL BE AT LEAST AS WIDE AS THE WIDTH OF THE RAMP. 5. THE CURB RAMP SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS
- THE FULL WIDTH OF THE RAMP AND 3'-O" DEPTH OF THE RAMP DETECTABLE WARNING SURFACE SHALL CONFORM TO THE DETAILS IN SAN DIEGO REGIONAL STANDARD DRAWING NUMBER G-30.
- 6. EXISTING VERTICAL OBSTRUCTIONS, UTILITY POLES MAY BE INCORPORATED INTO THE FLARED SIDES IF NECESSARY. THE VERTICAL OBSTRUCTION SHALL BE A MINIMUM OF 6-INCHES AWAY FROM THE EDGE OF THE RAMP. FOR FIRE HYDRANTS, THE 6-INCH CLEARANCE SHALL BE REFERENCED FROM THE NEAREST PROTRUDING PARTS OF THE HYDRANT. PEDESTRIAN CROSSWALK PUSH BUTTON POLES AND OTHER POLES WITH PEDESTRIAN ACTIVATED DEVICES MAY NOT BE PLACED IN THE CURB RAMP AT ANY TIME. NO NEW VERTICAL OBSTRUCTIONS MAY BE LOCATED WITHIN THE CURB RAMP GROOVED BORDER.
- 7. EXISTING UTILITY BOXES AND COVERS SHALL BE REPLACED AND ADJUSTED TO CONFORM FLUSH WITH THE CURB RAMP SURFACE AND SHALL NOT STRADDLE ANY CHANGE IN PLANE WITHIN THE CURB RAMP. NO NEW UTILITY BOXES MAY BE LOCATED WITHIN THE CURB RAMP GROOVED BORDER.
- 8. TRANSITIONS FROM RAMPS AND LANDING TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- 9. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE 6-INCHES FROM THE GUTTER FLOWLINE.
- 10. THE CONTRACTOR SHALL REFERENCE AND PRESERVE ANY EXISTING MONUMENTS WITHIN THE LIMITS OF WORK. A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR PURSUANT TO THE CALIFORNIA BUSINESS AND PROFESSIONAL CODE, SECTION 8771, PRIOR TO ANY WORK COMMENCING. IF ANY MONUMENT IS DESTROYED, DAMAGED, COVERED OR OBLITERATED, THE CONTRACTOR SHALL COORDINATE WITH CITY SURVEY CONSULTANT TO RESET MONUMENTS WHICH ARE DESTROYED OR DISTURBED.
- 11. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CITY OF VISTA PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
- 12. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

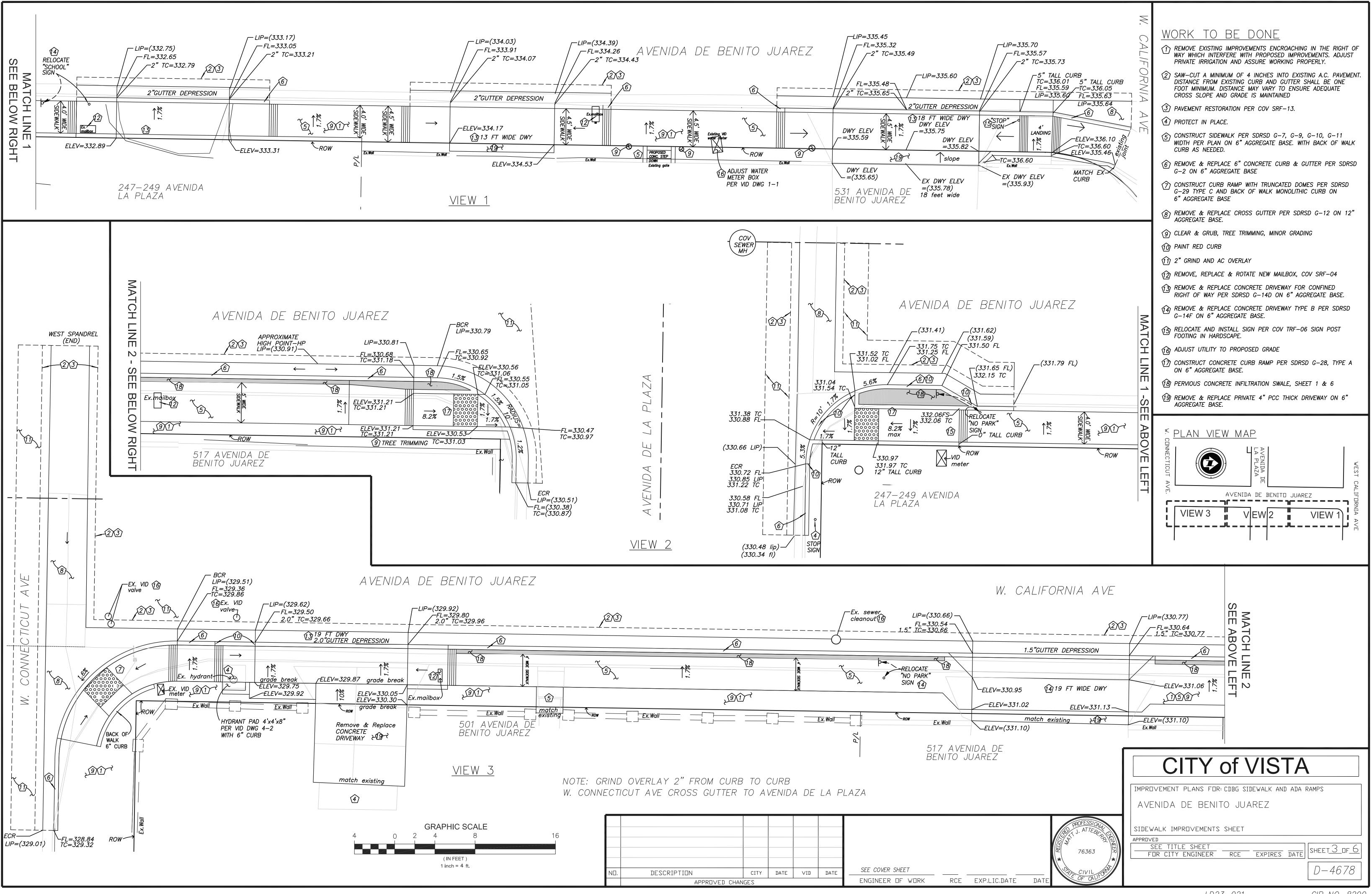
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CURB RAMP NOTES CONTINUED

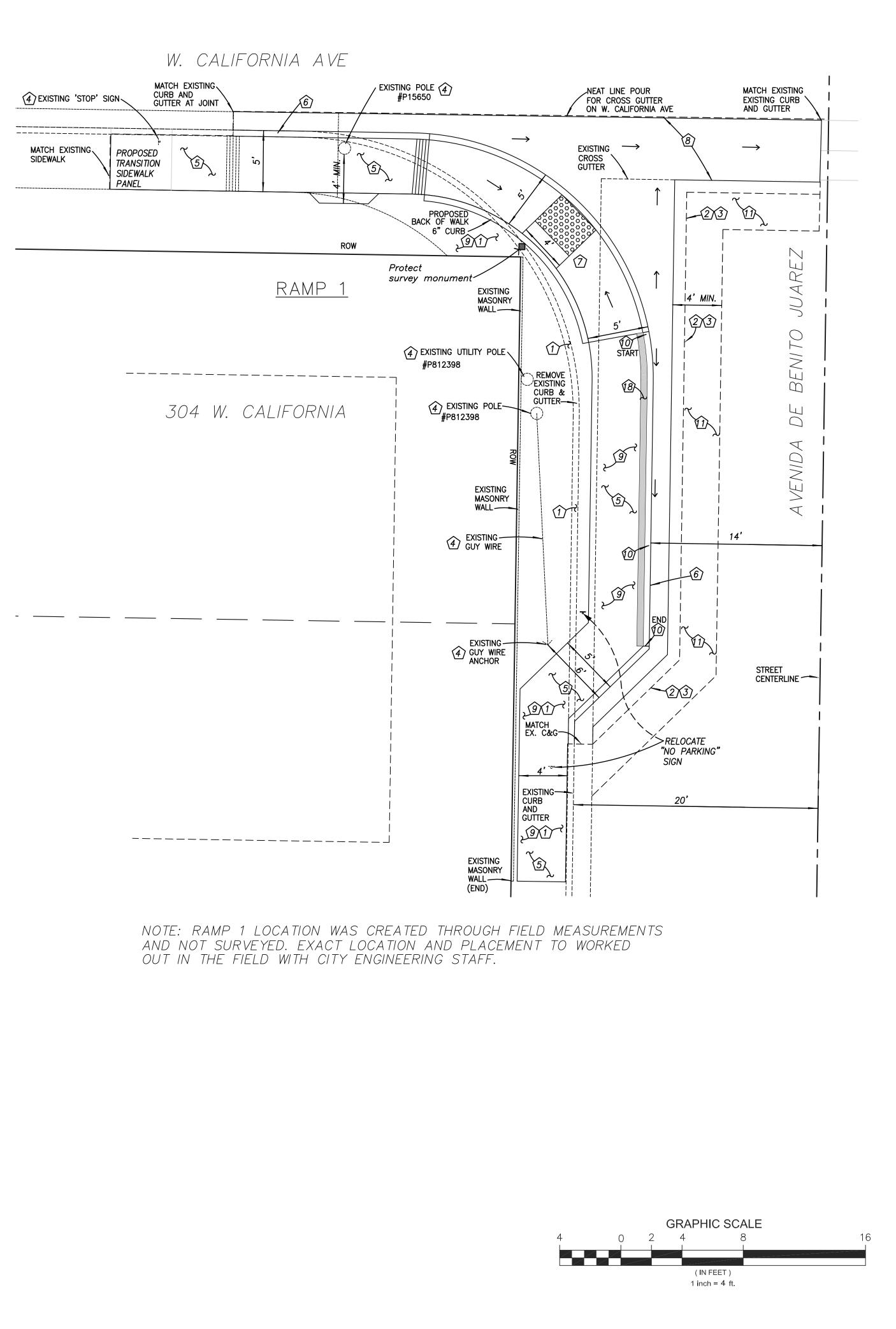
- 13. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY DEVIATION OF REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 14. CLASS 520–C–2500 CONCRETE SHALL BE USED IN FOR ALL CURB RAMP INSTALLATION 15. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- 16. EXPANSION JOINTS SHALL BE INSTALL PER SAN DIEGO AREA REGIONAL STANDARD DRAWING NUMBERS G-9, G-10 AND G-11
- 17. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF VISTA (BY CITY INSPECTOR) SHALL BE REMOVED AND REPLACED. 18. CURB RAMPS SHALL BE CONSTRUCTED PER SAN DIEGO REGIONAL STANDARD
- DRAWING NUMBERS G-27, G-28, G-29, G-30, G-31 AND G-32. OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR. EXACT LOCATION
- 19. EXACT LOCATION OF ALL SAW-CUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF VISTA INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
- 20. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- 21. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- 22. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE PLANS IS ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF WORK FOR DIRECTION.
- 23. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUB-GRADE, FINISH GRADES AND SLOPES SHOWN.
- 24. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED. 25. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER
- PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- 26. GRADE AS REQUIRED TO CONSTRUCT RAMP. REPLACE LANDSCAPING DISTURBED BY CONSTRUCTION. PROTECT TREES WITHIN THE WORK AREA (UNLESS OTHERWISE INDICATED). COORDINATE WORK WITH ADJACENT PROPERTY OWNERS.
- 27. REMOVE PAVEMENT TO A MINIMUM OF 1-FOOT BEYOND GUTTER LIP UNLESS OTHERWISE INDICATED ON PLANS. 28. LIMITS OF GRADING IS TYPICALLY 1-FOOT OF MATERIAL BEHIND IMPROVEMENTS
- TO CONSTRUCT AND PLACE FORMS FOR CONCRETE FLATWORK. ALL DISTURBED AREAS SHALL BE REPLACED AND RESTORED IN-KIND TO PRECONSTRUCTION CONDITION, INCLUDING BUT NOT LIMITED TO LANDSCAPING, IRRIGATION, HARDSCAPE, ELECTRICAL OR OTHER FEATURES. A MAXIMUM OF 18" OF CONFORMANCE GRADING AND SITE IMPROVEMENT MAY BE REQUIRED FOR A SMOOTH FINISH APPEARANCE.
- 29. THE MONOLITHIC CURB AT BACK OF RAMP LANDING AND/OR BACK OF SIDEWALK SHALL BE VERTICAL WITH NO BATTER. CURB SHALL BE VARIABLE HEIGHT AND 1 ABOVE EXISTING ADJACENT GRADE. CHANGES IN THE CURB HEIGHT SHALL BE SMOOTH AND FLUID. CURB HEIGHT SHALL NOT EXCEED 6". ALL CONSTRUCTION SHALL BE WITHIN THE RIGHT-OF-WAY UNLESS OTHERWISE SHOWN.

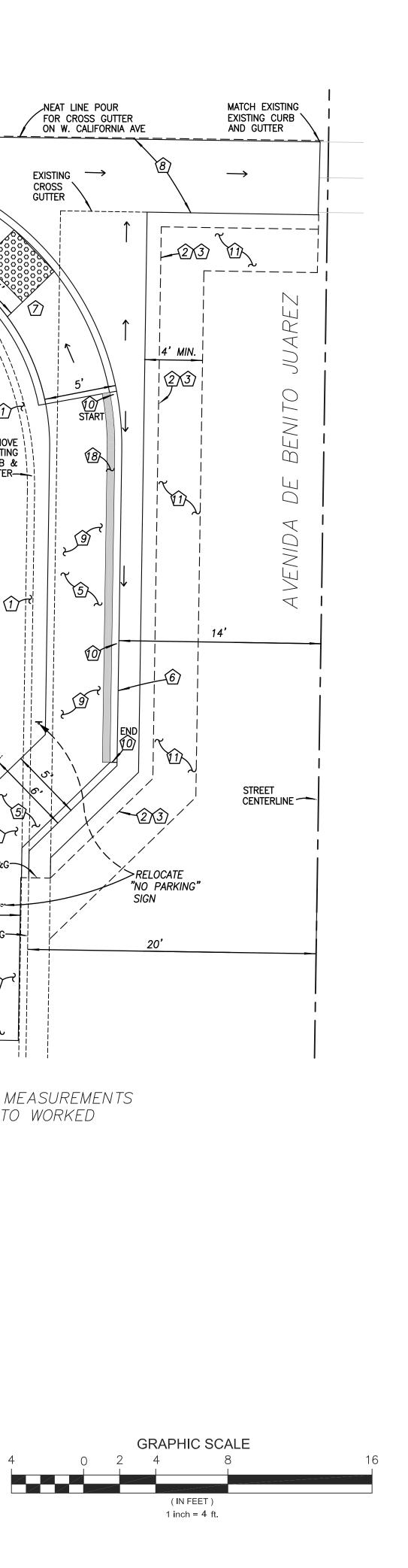


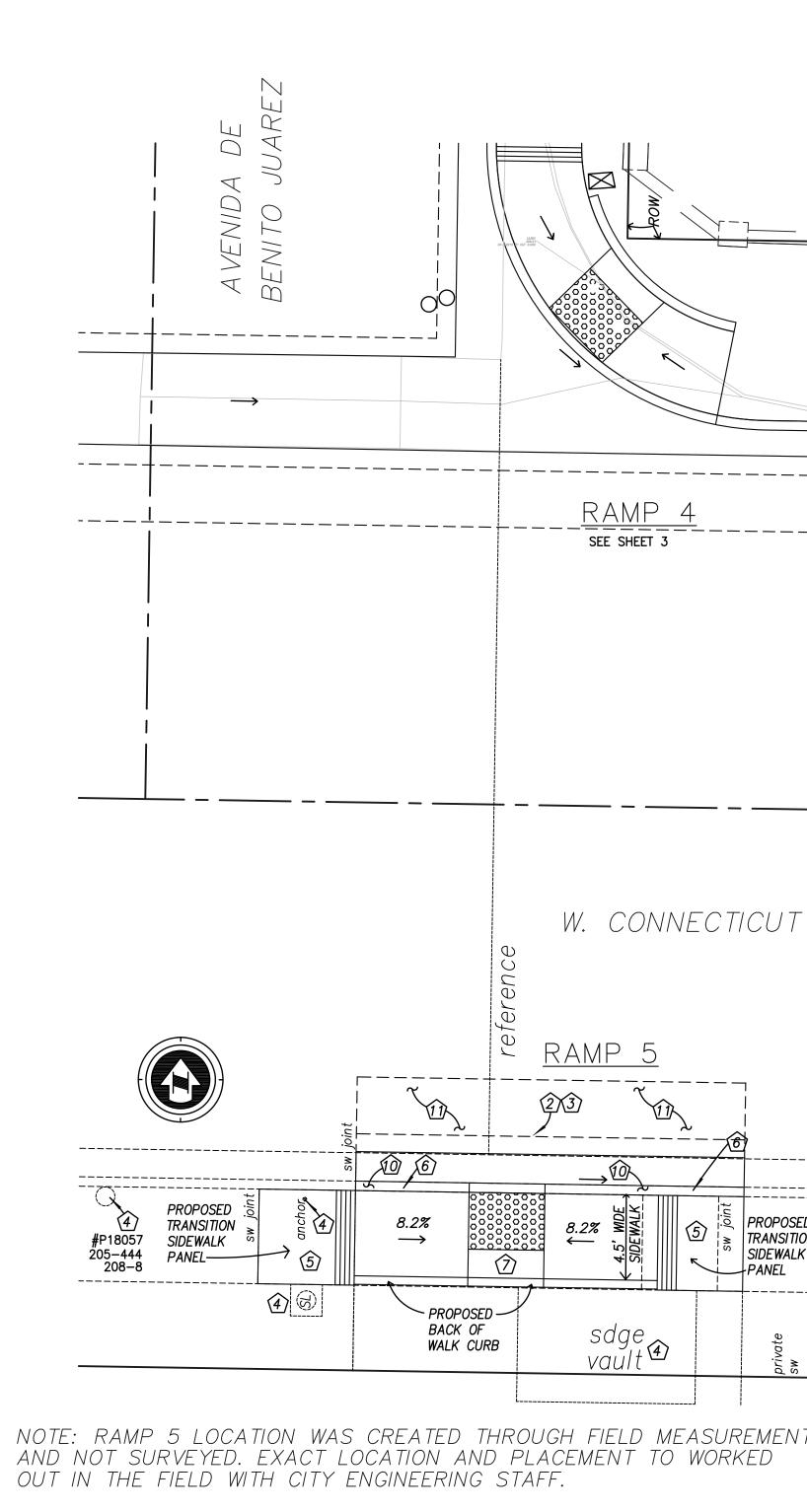
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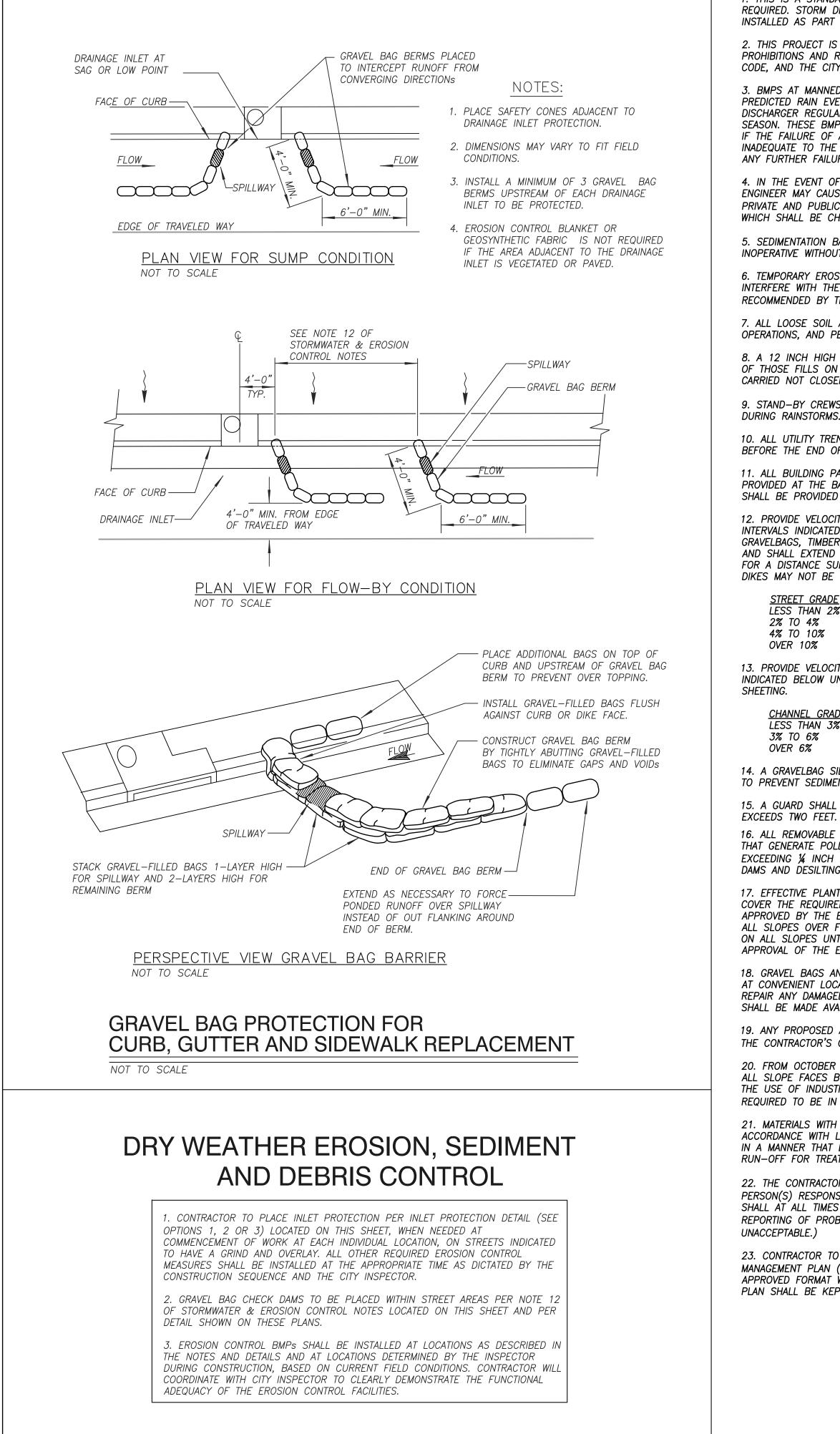




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	APPROVED CHAN	IGES				ENGINEER DF WORK	RCE

	<u>work to be done</u>
	REMOVE EXISTING IMPROVEMENTS ENCROACHING IN THE RIGHT OF WAY WHICH INTERFERE WITH PROPOSED IMPROVEMENTS. ADJUST PRIVATE IRRIGATION AND ASSURE WORKING PROPERLY.
	SAW-CUT A MINIMUM OF 4 INCHES INTO EXISTING A.C. PAVEMENT. DISTANCE FROM EXISTING CURB AND GUTTER SHALL BE ONE FOOT MINIMUM. DISTANCE MAY VARY TO ENSURE ADEQUATE CROSS SLOPE AND GRADE IS MAINTAINED
	(3) PAVEMENT RESTORATION PER COV SRF-13. (4) PROTECT IN PLACE.
	 CONSTRUCT SIDEWALK PER SDRSD G-7, G-9, G-10, G-11 WIDTH PER PLAN ON 6" AGGREGATE BASE. WITH BACK OF WALK CURB AS NEEDED.
	(6) REMOVE & REPLACE 6" CONCRETE CURB & GUTTER PER SDRSD G-2 ON 6" AGGREGATE BASE
	 CONSTRUCT CURB RAMP WITH TRUNCATED DOMES PER SDRSD G-29 TYPE C AND BACK OF WALK MONOLITHIC CURB ON 6" AGGREGATE BASE
	(8) REMOVE & REPLACE CROSS GUTTER PER SDRSD G–12 ON 12" AGGREGATE BASE.
	CLEAR & GRUB, TREE TRIMMING, MINOR GRADING
	(1) PAINT RED CURB $(1) 2" GRIND AND AC OVERLAY$
	D REMOVE, REPLACE & ROTATE NEW MAILBOX, COV SRF-04
	$\widehat{(3)}$ REMOVE & REPLACE CONCRETE DRIVEWAY FOR CONFINED RIGHT OF WAY PER SDRSD G-14D ON 6" AGGREGATE BASE.
	f_{4} REMOVE & REPLACE CONCRETE DRIVEWAY TYPE B PER SDRSD G-14F ON 6" AGGREGATE BASE.
	RELOCATE AND INSTALL SIGN PER COV TRF-06 SIGN POST FOOTING IN HARDSCAPE.
	De ADJUST UTILITY TO PROPOSED GRADE
	① CONSTRUCT CONCRETE CURB RAMP PER SDRSD G-28, TYPE A ON 6" AGGREGATE BASE.
	18) PERVIOUS CONCRETE INFILTRATION SWALE, SHEET 1 & 6
	19 REMOVE & REPLACE PRIVATE 4" PCC THICK DRIVEWAY ON 6" AGGREGATE BASE.
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	CONNECTICUT AVE.
	RAMP 5 SEE SHEET 4 SEE ABOVE MIDDLE
	<u>PLAN VIEW MAP</u>
	CITY of VISTA
	IMPROVEMENT PLANS FOR: CDBG SIDEWALK AND ADA RAMPS
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STORMWATER & EROSION CONTROL NOTES

- 1. THIS IS A STANDARD PROJECT. STORMWATER POST CONSTRUCTION BMP IMPLEMENTATION IS REQUIRED. STORM DRAIN INLET MARKERS AND WATER QUALITY INFILTRATION SWALE WILL BE INSTALLED AS PART OF THIS PROJECT.
- 2. THIS PROJECT IS SUBJECT TO ALL APPLICABLE GENERAL AND PROJECT SPECIFIC PROHIBITIONS AND REQUIREMENTS IN CHAPTERS 13.18, AND 17.56 OF THE VISTA MUNICIPAL CODE, AND THE CITY STORMWATER STANDARDS MANUAL
- 3. BMPS AT MANNED FACILITIES MUST BE INSPECTED BY THE Q.S.P. BEFORE AND FOLLOWING PREDICTED RAIN EVENTS. BMPS AT UNMANNED FACILITIES MUST BE INSPECTED BY THE DISCHARGER REGULARLY DURING THE RAINY SEASON AND PERIODICALLY BETWEEN EACH RAINY SEASON. THESE BMPS MUST BE MAINTAINED SO THAT THEY CONTINUE TO FUNCTION AS DESIGNED. IF THE FAILURE OF A BMP INDICATES THAT THE BMPS IN USE ARE INAPPROPRIATE OR INADEQUATE TO THE CIRCUMSTANCES, THE BMPS MUST BE MODIFIED OR UPGRADED TO PREVENT ANY FURTHER FAILURE IN THE SAME OR SIMILAR CIRCUMSTANCES.
- 4. IN THE EVENT OF FAILURE OR REFUSAL BY CONTRACTOR TO PROPERLY MAINTAIN BMPs, THE ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY, THE COST (INCLUDING AN INITIAL MOBILIZATION AMOUNT) OF WHICH SHALL BE CHARGED TO THE CONTRACTOR.
- 5. SEDIMENTATION BASINS AND INLET PROTECTION BMP'S MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- 6. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES AS RECOMMENDED BY THE Q.S.D./Q.S.P. AND AS APPROVED BY THE ENGINEER.
- 7. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS, AND PERIODICALLY THEREAFTER, AS DIRECTED BY THE INSPECTOR.
- 8. A 12 INCH HIGH BY 4-FOOT WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS. CONCENTRATED WATER SHALL BE CARRIED NOT CLOSER THAN 10 FEET FROM THE TOP OF SLOPES.
- 9. STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR'S, Q.S.P. FOR EMERGENCY WORK DURING RAINSTORMS.
- 10. ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORK DAY IF A 40% CHANCE OF RAIN IS PREDICTED.
- 11. ALL BUILDING PADS SHALL BE SLOPED TOWARDS THE DRIVEWAY AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET. VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
- 12. PROVIDE VELOCITY CHECK DAMS IN ALL STREET AREAS, PAVED OR UNPAVED, AT THE INTERVALS INDICATED BELOW. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVELBAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE ENGINEER, AND SHALL EXTEND ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE FOR A DISTANCE SUFFICIENT TO PREVENT SEDIMENT FROM ENTERING STORM DRAIN. EARTHEN DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS.

<u>EET_GRADE</u>	<u>CHECK DAM INTERVAL</u>
5 THAN 2%	AS REQUIRED
TO 4%	100 FEET
TO 10%	50 FEET
R 10%	25 FEET

13. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW UNLESS CHANNELS ARE LINED WITH TEMPORARY MATERIALS SUCH AS PLASTIC

NNEL GRADE	CHECK DAM INTERVAL
THAN 3%	100 FEET
TO 6%	50 FEET
R 6%	25 FEET

- 14. A GRAVELBAG SILT BASIN, OR SILT TRAP, SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
- 15. A GUARD SHALL BE POSTED ON SITE WHENEVER THE DEPTH OF WATER IN ANY BMP
- 16. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE DURING ALL OPERATIONS THAT GENERATE POLLUTANTS AND AT THE END OF EACH WORKING DAY, AFTER EACH RAINSTORM EXCEEDING ¼ INCH IN A 12 HOUR PERIOD, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS, AND BASINS SHALL BE PUMPED DRY.
- 17. EFFECTIVE PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND SHALL EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINAL APPROVAL. THE PLANTING MIX SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. SPRINKLER SYSTEMS ARE REQUIRED ON ALL SLOPES OVER FIVE FEET IN HEIGHT. TEMPORARY SPRINKLER SYSTEMS WILL BE REQUIRED ON ALL SLOPES UNTIL PLANTING IS ESTABLISHED, AND MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- 18. GRAVEL BAGS AND NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES, WHEN RAIN IS IMMINENT. A STANDBY CREW SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
- 19. ANY PROPOSED ALTERNATE EROSION CONTROL MEASURES ARE TO BE RECOMMENDED BY THE CONTRACTOR'S Q.S.P. FOR APPROVAL BY THE ENGINEER, PRIOR TO INSTALLATION.
- 20. FROM OCTOBER 1ST THROUGH APRIL 30TH OF EACH YEAR, CHAPTER 17.56 REQUIRES THAT ALL SLOPE FACES BE PROTECTED FROM EROSION, AND THAT ALL SEDIMENT BE KEPT ON SITE. THE USE OF INDUSTRY STANDARD SLOPE PROTECTION AND SEDIMENT CONTROL METHODS ARE REQUIRED TO BE IN PLACE AND MAINTAINED 24 HOURS A DAY/7 DAYS A WEEK.
- 21. MATERIALS WITH THE POTENTIAL TO POLLUTE URBAN RUN-OFF SHALL BE USED WITH AND IN ACCORDANCE WITH LABEL DIRECTIONS. THESE MATERIALS AND OTHER WASTE SHALL BE STORED IN A MANNER THAT EITHER PREVENTS CONTACT WITH RAINFALL OR RETAINS CONTAMINATED RUN-OFF FOR TREATMENT AND DISPOSAL.
- 22. THE CONTRACTOR DESIGNATED 24-HOUR TELEPHONE NUMBER AND THE NAME(S) OF THE PERSON(S) RESPONSIBLE FOR EMERGENCY WORK SHALL BE PROVIDED TO THE OWNER AND SHALL AT ALL TIMES BE POSTED IN A CONSPICUOUS PLACE ONSITE TO FACILITATE PUBLIC REPORTING OF PROBLEMS. (A TELEPHONE ANSWERING MACHINE OR ANSWERING SERVICE IS
- 23. CONTRACTOR TO IMPLEMENT AND MAINTAIN ONSITE AT ALL TIMES A STORMWATER MANAGEMENT PLAN (SWMP) OR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN CITY APPROVED FORMAT WHICH IS HEREBY INCORPORATED WITH THESE PLANS BY REFERENCE. SAID PLAN SHALL BE KEPT CURRENT AND REFLECTIVE OF CURRENT SITE CONDITIONS.

DESCRIPTION

CITY

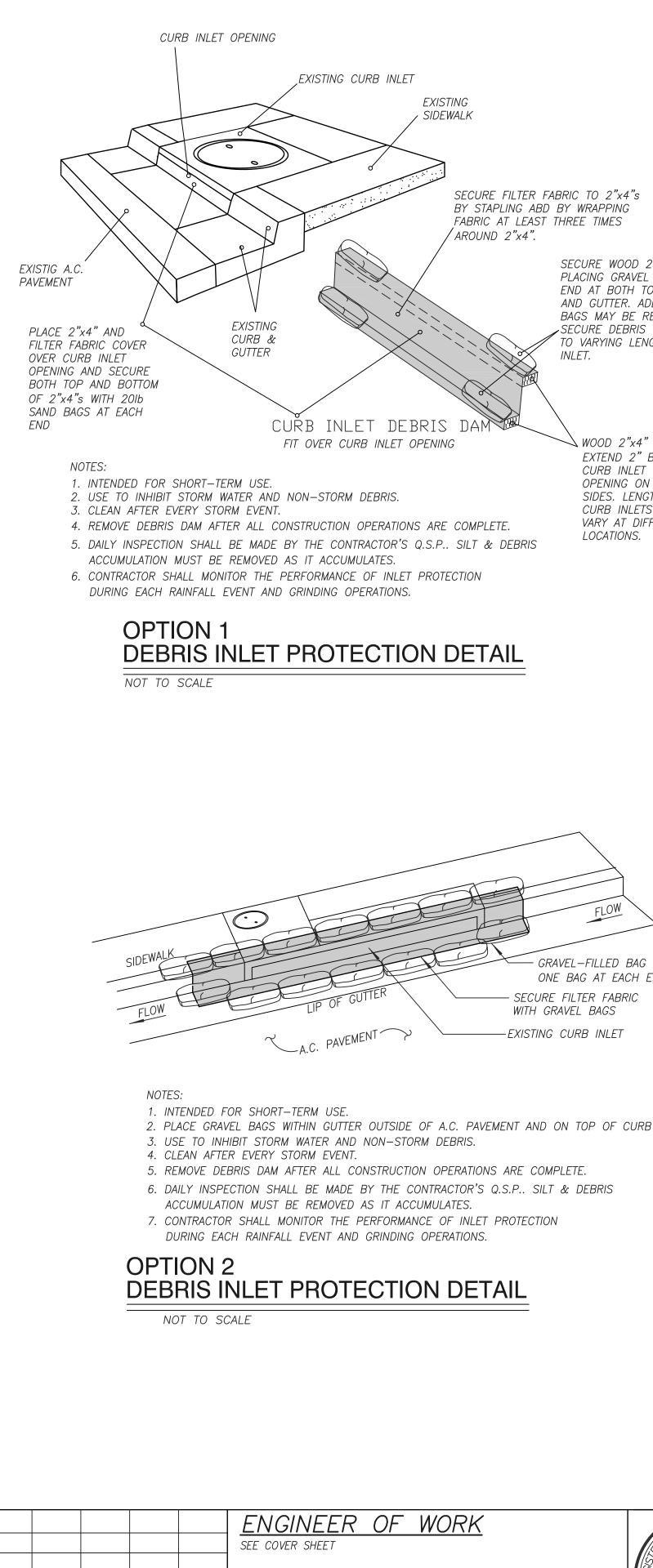
APPROVED CHANGES

DATE

VID

DATE

ENGINEER OF WORK

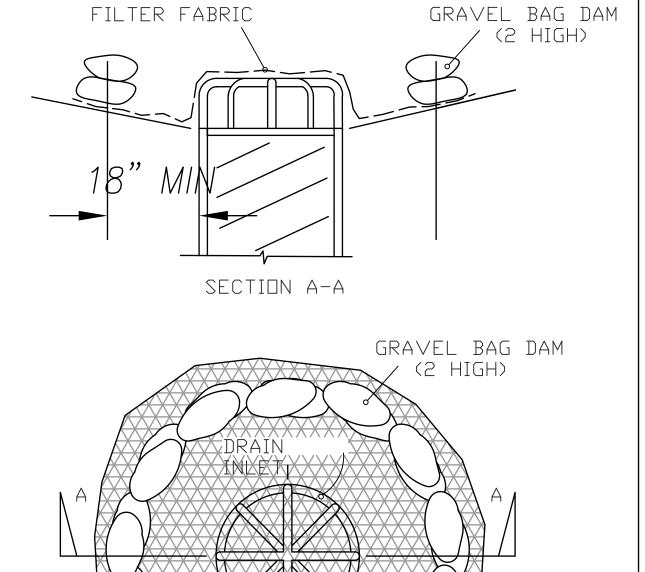


SECURE FILTER FABRIC TO 2"x4"s BY STAPLING ABD BY WRAPPING FABRIC AT LEAST THREE TIMES AROUND 2"x4".

> SECURE WOOD 2"x4" BY PLACING GRAVEL BAGS AT END AT BOTH TOP OF CURB AND GUTTER. ADDITIONAL BAGS MAY BE REQUIRED TO SECURE DEBRIS DAM DUE TO VARYING LENGTHS OF INLET.

WOOD 2"x4" SHALL EXTEND 2" BEYOND CURB INLET OPENING ON BOTH SIDES. LENGTHS OF CURB INLETS MAY VARY AT DIFFERENT LOCATIONS.

- GRAVEL—FILLED BAG (PLACE ONE BAG AT EACH END) SECURE FILTER FABRIC WITH GRAVEL BAGS -EXISTING CURB INLET



OPTION 3 DEBRIS INLET PROTECTION DETAIL

NOT TO SCALE

STORMWATER PROTECTION NOTES

RAIN DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED IN THE EVENT OF A RAINSTORM. 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS WHEN THERE IS A FORECAST

THE CONTRACTOR IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMPs (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMPs IS THE CONTRACTOR'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMPs MAY RESULT IN ENFORCEMENT ACTION BY THE CITY OF VISTA OR OTHERS. IF INSTALLED BMPs FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATIVE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.

CITY of VISTA

IMPROVEMENT PLANS FOR: CDBG SIDEWALK AND ADA RAMPS AVENIDA DE BENITO JUAREZ

EROSION CONTROL NOTES AND DETAILS

APPRO∨ED

CITY ENGINEER: SEE TITLE SHEET ____DATE:

SHEET5 OF D - 4678

76363 DATE

LD23-021

SWPP<u>P NOTES</u>

- 1. DISCHARGING SEDIMENT-LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF THE APPLICABLE RWQCB'S BASIN PLANS FROM A DEWATERING SITE OR SEDIMENT BASIN/TRAP INTO ANY RECEIVING WATER OR STORM DRAIN WITHOUT FILTRATION OR EQUIVALENT TREATMENT IS PROHIBITED.
- 2. THE DISCHARGER SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN CONSTRUCTION OR OPERATIONS, WHICH MAY AFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS, GROUNDWATERS, OR A MUNICIPAL STORM DRAIN SYSTEM. THE SWPPP SHALL ALSO BE AMENDED IF THE DISCHARGER VIOLATES ANY CONDITION OF THE GENERAL PERMIT OR HAS NOT ACHIEVED THE GENERAL OBJECTIVE OF REDUCING OR ELIMINATING POLLUTANTS IN STORMWATER DISCHARGES. ALL AMENDMENTS SHOULD BE DATED AND DIRECTLY ATTACHED TO THE SWPPP.
- 3. TEMPORARY ON-SITE DRAINAGES TO CARRY CONCENTRATED FLOW SHALL BE SELECTED TO COMPLY WITH CITY REQUIREMENTS TO CONTROL EROSION, TO RETURN FLOWS TO THEIR NATURAL DRAINAGE COURSES, AND TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES.
- 4. DISCHARGES ORIGINATING FROM OFF-SITE, FLOWING ACROSS OR THROUGH AREAS DISTURBED BY CONSTRUCTION MAY CONTAIN POLLUTANTS, AND SHOULD BE REPORTED TO THE RWQCB.
- 5. DISCHARGERS WHO ARE CURRENTLY COVERED UNDER NPDES GENERAL PERMIT NO. CASOOOOO2 FOR DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MAY SUBMIT A NOTICE OF TERMINATION WHEN THEY MEET ONE OF THE FOLLOWING CRITERIA:
- A. THE CONSTRUCTION PROJECT HAS BEEN COMPLETED AND THE FOLLOWING CONDITIONS HAVE BEEN MET: 1) ALL ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN HAVE
- BEEN COMPLETED; 2) CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE
- BEEN DISPOSED OF PROPERLY; 3) THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER
- MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS AND THE APPROPRIATE USE PERMITS HAVE BEEN OBTAINED;
- 4) A POST-CONSTRUCTION STORM WATER OPERATION AND MANAGEMENT PLAN IS IN PLACE.
- B. CONSTRUCTION ACTIVITIES HAVE BEEN SUSPENDED, EITHER TEMPORARILY OR INDEFINITELY AND THE FOLLOWING CONDITIONS HAVE BEEN MET: 1) ALL ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED;
- 2) CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY;
- 3) ALL DENUDED AREAS AND OTHER AREAS OF POTENTIAL EROSION ARE STABILIZED;
- 4) AN OPERATION AND MAINTENANCE PLAN FOR EROSION AND SEDIMENT CONTROL IS IN PLACE;
- 5) THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS.
- THE DATE CONSTRUCTION ACTIVITIES WERE SUSPENDED, AND THE EXPECTED DATE CONSTRUCTION ACTIVITIES WILL RESUME SHOULD BE PROVIDED. C. CONSTRUCTION SITES CAN NOT DISCHARGE STORM WATER TO WATERS OF
- THE UNITED STATES. PLEASE INDICATE IF ALL STORM WATER IS RETAINED ON SITE OR IF STORM WATER IS COLLECTED OFFSITE.
- D. DISCHARGE OF CONSTRUCTION STORM WATER FROM THE SITE IS NOW SUBJECT TO ANOTHER NPDES GENERAL PERMIT OR AN INDIVIDUAL NPDES PERMIT. THE GENERAL PERMIT OR INDIVIDUAL PERMIT NPDES NUMBER AND DATE COVERAGE BEGAN SHALL BE PROVIDED.
- E. THERE IS A NEW OWNER OF THE IDENTIFIED SITE. IF OWNERSHIP OR OPERATION OF THE FACILITY HAS BEEN TRANSFERRED THEN THE PREVIOUS OWNER MUST SUBMIT A NOTICE OF TERMINATION AND THE NEW OWNER MUST SUBMIT A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT. THE DATE OF TRANSFER AND INFORMATION ON THE NEW OWNER SHALLL BE PROVIDED. NOTE THAT THE PREVIOUS OWNER MAY BE LIABLE FOR DISCHARGE FROM THE SITE UNTIL THE NEW OWNER FILES A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT.
- 6. SEDIMENT CONTROL BMP'S ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL INLETS TO THE STORM DRAIN SYSTEM AT ALL TIMES.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ADEQUATE SEDIMENT CONTROL MATERIALS ARE AVAILABLE TO CONTROL SEDIMENT DISCHARGES AT THE DOWNGRADE PERIMETER AND OPERATIONAL INLETS (WEATHER AND STORM PREDICTIONS CAN BE OBTAINED BY CALLING THE NATIONAL WEATHER SERVICE AT (858) 675-8700 OR BY VISITING THE NATIONAL WEATHER SERVICE WEB SITE AT HTTP://WWW.WRH.NOAA.GOV/SANDIEGO/INDEX.SHTML FOR WEATHER INFORMATION AND CURRENT SATALITE/RADAR FEEDS).
- 8. THE OUTLETS OF ALL SEDIMENT BASINS, TRAPS, AND LOCATIONS OF ARTIFICIALLY CONCENTRATED FLOW SHALL BE PROVIDED WITH OUTLET PROTECTION TO PREVENT EROSION AND SCOUR.
- 9. INSPECTIONS SHALL BE PERFORMED BEFORE AND AFTER STORM EVENTS AND ONCE EACH 24-HOUR PERIOD DURING EXTENDED STORM EVENTS TO IDENTIFY BMP EFFECTIVENESS AND IMPLEMENT REPAIRS OR DESIGN CHANGES AS SOON AS FEASIBLE, DEPENDING ON FIELD CONDITIONS. EQUIPMENT, MATERIALS, AND WORKERS MUST BE AVAILABLE FOR RAPID RESPONSE TO FAILURES AND EMERGENCIES. ALL CORRECTIVE MAINTENANCE TO BMP'S SHALL BE PERFORMED AS SOON AS POSSIBLE AFTER THE CONCLUSION OF EACH STORM, DEPENDING UPON WORKER SAFETY.
- 10, FOR EACH INSPECTION, A QUALIFIED PERSON SHALL COMPLETE AN INSPECTION CHECKLIST CONTAINING THE FOLLOWING MINIMUM INFORMATION; INSPECTION DATE, WEATHER INFORMATION (BEGINNING/END OF STORM EVENT, DURATION, TIME SINCE LAST STORM, APPROXIMATE RAINFALL IN INCHES), DESCRIPTION OF INADEQUATE BMP'S, LIST OF OBSERVATIONS OF ALL BMP'S AND VISIBLE INSPECTION OF OUTFALLS, DISCHARGE POINTS, DOWNSTREAM LOCATIONS, AND PROJECTED REQUIRED MAINTENANCE ACTIVITIES, CORRECTIVE ACTIONS REQUIRED, INCLUDING CHANGES TO THE SWPPP AND IMPLEMENTATION DATES, INSPECTOR'S NAME, TITLE, SIGNATURE, AND QUALIFICATIONS.
- 11. INDIVIDUALS RESPONSIBLE FOR SWPPP, IMPLEMENTATION, AND PERMIT COMPLIANCE SHALL BE APPROPRIATELY TRAINED. THIS INCLUDES THOSE PERSONNEL RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF BMP'S. THOSE RESPONSIBLE FOR OVERSEEING, REVISING, AND AMENDING THE SWPPP SHALL ALSO DOCUMENT THEIR TRAINING. THE QUALIFIED PERSON SHALL ATTEND THE PRE-CONSTRUCTION MEETING. THE QUALIFIED PERSON SHALL HAVE KNOWLEDGE AND TRAINING OF THE INTENT AND ENFORCEMENT OF SWPPP'S AND BMP'S AND BE PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE CITY'S MUNICIPAL CODE/ORDINANCES AND THE SWPPP.
- 12. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE WHICH SHALL BE PROVIDED, UPON REQUEST, TO THE RWQCB OR CITY PERSONEL. THE SWPPP IS CONSIDERED A REPORT THAT SHALL BE AVAILABLE TO THE PUBLIC BY THE RWQCB UNDER SECTION 308(B) OF THE CLEAN WATER ACT.

NOTE: STATIONING FOR STREET AND SIDEWALK IMPROVEMENTS ARE MEASURED ALONG THE RIGHT-OF-WAY CENTERLINE STATIONING.

SWPPP NOTES (cont"d)

- 13. RECORDS OF ALL INSPECTIONS. COMPLIANCE CERTIFICATIONS. NONCOMPLIANCE REPORTING, AND ANY OTHER DOCUMENTS GENERATED AS PART OF SWPPP, MUST BE RETAINED BY THE OWNER FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE GENERATED.
- 14. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER (6 MIL MIN.) TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR OR QUALIFIED PERSON SHALL LOCATE CONCRETE WASHOUTS IN THIS PRESCRIBED MANNER AS CONSTRUCTION PROGRESSES.
- 15. THE QUALIFIED PERSON SHALL CONDUCT REGULAR INSPECTIONS OF THE PROJECT SITE IN ACCORDANCE WITH RECOMMENDATIONS OUTLINED IN THE SWPPP. EACH INSPECTION SHALL BE DOCUMENTED IN THE FORM OF WRITTEN REPORTS RETAINED ON-SITE. ALL REPORTS SHALL BE MADE AVAILABLE TO THE CITY OF SAN DIEGO AND RWQCB REPRESENTATIVES UPON REQUEST.
- 16. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS. SUCH AS DAMAGE TO UNDERGROUND WATER AND SEWER UTILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.
- 17. THE PERMITTEE OR DESIGNEE SHALL PROVIDE EVIDENCE OF COVERAGE UNDER THE GENERAL CONSTRUCTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT, IN THE FORM OF A NOTICE OF INTENT (NOI) FILED WITH THE STATE WATER RESOURCES CONTROL BOARD, PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS.
- 18. SEDIMENT AND EROSION CONTROLS MAY BE REMOVED ONLY WHEN CONTRIBUTORY UPSTREAM AREAS BECOME STABILIZED OR ARE MANAGED UPSTREAM (I.E., SINGLE-LOT SEDIMENT CONTROLS) AND AS LONG AS SEDIMENT LADEN RUNOFF WILL NOT DISCHARGE FROM THE SITE.
- 19. WHEN FUTURE WORK BY THE DEVELOPER NOT SHOWN ON THIS PLAN IS TO BE PERFORMED, THE SWPPP SHALL BE AMENDED TO INCLUDE SAID WORK AND ANY ADDITIONAL WATER QUALITY CONTROL MEASURES REQUIRED.
- 20. WHEN OWNERSHIP CHANGES FOR PORTIONS OF THE SITE THE DEVELOPER SHALL FILE A CHANGE OF INFORMATION (COI) WITH THE CRWQCB. WHEN THE LIMITS OR NATURE OF WORK ARE ALTERED THE DEVELOPER SHALL FILE A REVISED NOTICE OF INTENT (NOI) WITH THE SWRCB.
- 21. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH AN NEW NOI, SWPPP, AND WDID NUMBER.

MINIMUM POST-CONSTRUCTION MAINTENANCE PLAN AT THE COMPLETION OF THE WORK SHOWN, THE FOLLOWING PLAN SHALL BE FOLLOWED TO ENSURE WATER QUALITY CONTROL IS MAINTAINED FOR THE LIFE OF THE PROJECT:

- 1. STABILIZATION: ALL PLANTED SLOPES AND OTHER VEGETATED AREAS SHALL BE INSPECTED PRIOR TO OCTOBER 1 OF EACH YEAR AND AFTER MAJOR RAINFALL EVENTS (MORE THAN ½ INCH) AND REPAIRED AND REPLANTED AS NEEDED UNTIL A NOTICE OF TERMINATION (NOT) IS FILED.
- 2. STRUCTURAL PRACTICES: DESILTING BASINS, DIVERSION DITCHES, DOWNDRAINS, INLETS, OUTLET PROTECTION MEASURES, AND OTHER PERMANENT WATER QUALITY AND SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED PRIOR TO OCTOBER 1 OF EACH YEAR AND AFTER MAJOR RAINFALL EVENTS (MORE THAN 1/2 INCH). REPAIRS AND REPLACEMENTS SHALL BE MADE AS NEEDED AND RECORDED IN THE MAINTENANCE LOG IN PERPETUITY.
- 3. OPERATION AND MAINTENANCE, FUNDING: POST-CONSTRUCTION MANAGEMENT MEASURES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL THE TRANSFER OF RESPECTIVE SITES TO HOME BUILDERS, INDIVIDUAL OWNERS, HOMEOWNERS ASSOCIATIONS, SCHOOL DISTRICTS, OR LOCAL AGENCIES AND/OR GOVERNMENTS. AT THAT TIME, THE NEW OWNERS SHALL ASSUME RESPONSIBILITY FOR THEIR RESPECTIVE PORTIONS OF THE DEVELOPMENT.

	PROPOSED OPERATION & MAINTENANCE PROCEDURE DETAILS								
	D&M RESPONSIBLE PARTY DESIGNEE: PROPERTY DWNER/HOA/CI								
POST-CONSTRUCTION PERMANENT BMP'S	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	SERVICE FREQUENCY	SERVICE METHOD				
PROPOSED SITE DESIGN	YEARLY	YEARLY	PER SWQMP	AS NEEDED	CLEAN				
PROPOSED SOURCE CONTROL	YEARLY	YEARLY	PER SWQMP	AS NEEDED	REPLACE				
PROPOSED TREATMENT CONTROL	. N/A	N/A	N/A	N/A	N/A				

PERMANENT POST-CONSTRUCTION BMP NOTES

1. PERMANENT POST CONSTRUCTION BMP DEVICES SHOWN ON PLAN SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY ENGINEER OR RESIDENT ENGINEER AND THE ENGINEER OF WORK.

PRE-PROJECT LAND US	SE	AR	E,
NAME: AVENIDA DE BENITO JUAREZ AVI			
<u>PERVIOUS LAND USE</u> DIRT, LANDSCAPING, FLAT (0–5%)	_	<u>CRES</u> 0.035	_
<u>IMPERVIOUS LAND USE</u> PUBLIC STREET (driveways)	_	<u>CRES</u>).066	-
TOTAL AREA	0.	101 /	ACF

POST-PROJECT LAND	<u>USE AREA</u>
NAME: AVENIDA DE BENITO JUAREZ /	AVE. PROJECT
<u>PERVIOUS LAND USE</u> DIRT, LANDSCAPING, FLAT (0–5%)	<u>ACRES</u> 0.010 (442
<u>IMPERVIOUS LAND USE</u> PUBLIC STREET	<u>ACRES</u> 0.091 (3972
TOTAL AREA	0.101 ACRES

Plotted - 10/6/2023 12:25:31 PM :: Saved - 10/5/2023 6:31:14 PM :: O: \Engineering\Department Only\CIP\8290 - Pedestrian Mobility Sidewalks\Ave De Benito Juarez\Design\AVE DE BENITO JUAREZ - COV PLAN SHEETS - final.dwg :: jrivera

(1545 sf)

(2869 sf)

CRES (4414 sf)

(442 sf)

(3972 sf) ACRES (4414 sf) ANTICIPATED POLLUTANTS

POST-DEVELOPMENT POLLUTANTS DERIVED FROM MIXED USE RESIDENTIAL AND COMMERCIAL DEVELOPMENTS CAN CONTRIBUTE TO STORM WATER DISCHARGE CONTAMINATION IF NOT MANAGED, MAINTAINED, AND CONTROLLED. PER TABLE 2-1 IN THE COUNTY WIDE MODEL SUSMP, DATED JANUARY 13, 2011, THE AVENIDA DE BENITO JUAREZ AVE. SIDEWALK IMPROVEMENT PROJECT IS ANTICIPATED TO GENERATE THE FOLLOWING POLLUTANTS: SEDIMENT, NUTRIENTS, TRASH AND DEBRIS, PESTICIDES, OXYGEN DEMANDING SUBSTANCES AND BACTERIA AND VIRUSES.

HYDROLOGIC UNIT CONTRIBUTION (WATERSHED)

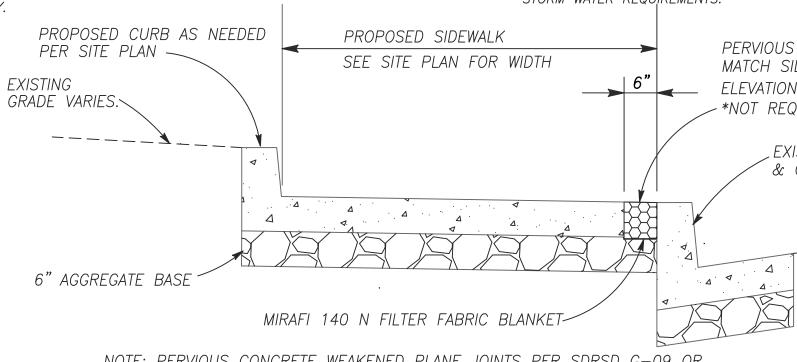
THE AVENIDA DE BENITO JUAREZ AVE. SIDEWALK IMPROVEMENT PROJECT IS CONTAINED WITHIN THE CARLSBAD WATERSHED; HYDROLOGIC AREA 904. SPECIFICALLY, THE PROJECT IS A PORTION OF HYDROLOGIC SUB-AREA 904.52. HYDROLOGIC AREA 904.5 (VISTA), AND IS A TRIBUTARY TO BUENA VISTA LAGOON.

IMPAIRED WATER BODIES (303(D) STATUS) ACCORDING TO THE CALIFORNIA 2006 303 (D) LIST PUBLISHED BY THE SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD, BUENA VISTA LAGOON IS NOT LISTED AS AN IMPAIRED WATER BODY. BUENA VISTA CREEK, DOWNSTREAM OF THE SITE, IS LISTED AS IMPAIRED. BUENA VISTA CREEK IS IMPACTED WITH DDE (PESTICIDE), PHOSPHORUS (NUTRIENTS), AND SEDIMENT TOXICITY.

POLLUTANTS THAT ARE ANTICIPATED TO BE GENERATED BY THE PROPOSED PROJECT, AND ARE ALSO IDENTIFIED IN THE 303(D) LIST AS IMPACTING DOWNSTREAM WATER BODIES, ARE CALLED PRIMARY POLLUTANTS OF CONCERN. THE PRIMARY POLLUTANTS OF CONCERN FOR THE AVENIDA DE BENITO JUAREZ AVE. SIDEWALK IMPROVEMENTS ARE SEDIMENTS, TRASH & DEBRIS.

INFILTRATION AT THE PROJECT SITE IT IS ANTICIPATED THAT DUE TO THE LOW PERMEABILITY OF THE UNDERLYING SOIL. INFILTRATION INTO UNDERLYING SOIIL WILL BE MINIMAL. HOWEVER THE WATER QUALITY INFILTRATION SWALE WILL FILTER POLLUTANTS OF CONCERN FROM LOW FLOWS EVER IF THERE IS LITTLE INFILTRATION.

COMPLIANCE WITH WATER QUALITY OBJECTIVE THE PROPOSED POST-CONSTRUCTION BMPS, COMBINED WITH THE USE OF SITE DESIGN AND SOURCE CONTROL BMPS, ADDRESS MITIGATION MEASURES TO PROTECT WATER QUALITY AND PROTECTION OF WATER OBJECTIVES AND BENEFICIAL USES TO THE MAXIMUM EXTENT PRACTICABLE. THE SELECTION, SIZING, AND DESIGN OF STORMWATER TREATMENT AND OTHER CONTROL MEASURES IN THIS PLAN MEET THE REQUIREMENTS OF REGIONAL WATER QUALITY CONTROL BOARD ORDER R9-2015-0001, THE COUNTYWIDE MODEL SUSMP, DATED JANUARY 13, 2011, AND THE CITY OF VISTA STORM WATER REQUIREMENTS.



NOTE: PERVIOUS CONCRETE WEAKENED PLANE JOINTS PER SDRSD G-09 OR MATCH EXISTING CURB & GUTTER JOINTS WHICHEVER IS LESSER.

WATER QUALITY INFILTRATION SWALE DETAIL NOT TO SCALE

						ENGINEER OF WORK
						SEE COVER SHEET
ND.	DESCRIPTION	CITY	DATE	VID	DATE	
	APPROVED CHAN	GES				ENGINEER OF WORK

PRIMARY POLLUTANTS OF CONCERN

PERVIOUS CONCRETE, MINIMUM 4" THICKNESS. MATCH SIDEWALK SLOPE AND BACK OF CURB

ELEVATION, PROVIDE CONTINUOUS SMOOTH SURFACE. *NOT REQUIRED AT DRIVEWAYS & CURB RETURNS

EXISTING OR REPLACED CURB & GUTTER, SEE SITE PLAN.

EXISTING STREET PAVEMENT

.____

LOW IMPACT DEVELOPMENT

"LID" AND "SITE DESIGN BMPS" ARE PROJECT DESIGN FEATURES THAT REDUCE THE CREATION OR SEVERITY OF POTENTIAL POLLUTANT SOURCES OR REDUCE THE ALTERATION OF THE PROJECT SITE'S NATURAL FLOW REGIME.

SITE DESIGN BMPs

THE FOLLOWING ARE "SITE DESIGN BMPS" WHICH WHERE INCORPORATED INTO THE PROJECT AND A DESCRIPTION IS PROVIDED AS TO HOW THEY ARE INCLUDED IN THE PROJECT DESIGN:

- I. MINIMIZE AND DISCONNECT IMPERVIOUS SURFACES: THOUGH IMPERVIOUS SURFACES AREA ARE A MAJOR PORTION OF THE SITE DESIGN, THE MINIMUM AMOUNT OF IMPERVIOUS SURFACE WAS USED AND RUNOFF FROM THIS PROJECT WILL BE DIRECTED TO A GRAVEL INFILTRATION SWALE.
- II. CONSERVE NATURAL RESOURCES AND AREAS: NO NATURAL AREAS EXIST WITHIN THE PROJECT SITE. THE PROPERTY IS GRADED AND IS BEING USED AS A PUBLIC ROADWAY
- III. CONSTRUCT HARDSCAPE WITH PERMEABLE MATERIALS: THIS IS NOT FEASIBLE SINCE THE MAINTENANCE OF SMALL AREAS OF PERVIOUS SIDEWALK IN RESIDENTIAL AREAS WOULD BE IMPRACTICAL
- IV. MINIMIZE DIRECTLY CONNECTED IMPERVIOUS AREAS: RUNOFF FROM PRIVATE PROPERTY AND LANDSCAPE AREA WILL DISCHARGE INTO THE WATER QUALITY INFILTRATION SWALE.
- V. MAXIMIZE CANOPY INTERCEPTION: THIS IS NOT POSSIBLE SINCE THIS IS A SIDEWALK PROJECT.
- VI. PROTECT SLOPES AND CHANNELS: THE PROJECT DOES NOT PROPOSE TO AFFECT ANY NATURAL SLOPES OR CHANNELS. HOWEVER, ANY STORM WATER CONVEYANCE SYSTEM WILL MAINTAIN A MINIMAL SLOPE TO MITIGATE FOR VELOCITY.

SOURCE CONTROL BMPS

SOURCE CONTROL BMPS ARE LAND USE OR SITE PLANNING PRACTICES, OR STRUCTURES THAT AIM TO PREVENT URBAN RUNOFF POLLUTION BY REDUCING THE POTENTIAL CONTAMINATION AT THE SOURCE OF POLLUTION.

- I. DESIGN OUTDOOR MATERIAL STORAGE AREAS TO REDUCE POLLUTION INTRODUCTION: NO OUTDOOR MATERIAL STORAGE AREAS ARE PROPOSED FOR THIS SIDEWALK PROJECT.
- II. DESIGN TRASH STORAGE AREA TO REDUCE POLLUTION INTRODUCTION: NO TRASH ENCLOSURE FACILITIES ARE PROPOSED FOR THIS SIDEWALK PROJECT.
- III. EMPLOY INTEGRATED PEST MANAGEMENT PRINCIPLES: NO LANDSCAPING IS PROPOSED AS PART OF THIS PROJECT.
- IV. USE EFFICIENT IRRIGATION SYSTEMS AND LANDSCAPE DESIGN: NO LANDSCAPING OR IRRIGATION IS PROPOSED AS PART OF THIS PROJECT.
- V. PROVIDE STORM WATER CONVEYANCE SYSTEM STENCILING AND SIGNAGE: ALL CATCH BASINS AND CURB INLETS (NOT INCLUDING LANDSCAPE/PEDESTRIAN AREA DRAINS) WILL REQUIRE STENCILING WITH THE MESSAGE "NO DUMPING - I LIVE DOWNSTREAM".

BMPS FOR INDIVIDUAL PRIORITY PROJECTS

BMPS FOR INDIVIDUAL PRIORITY PROJECTS ARE SPECIFIC BMPS TO ADDRESS SPECIFIC FEATURES OF A PROJECT SITE. THE FOLLOWING INDIVIDUAL PROJECT BMPS WILL BE INCORPORATED INTO THE PROPOSED WEST CALIFORNIA AVE IMPROVEMENT PROJECT:

I. EXISTING SURFACE RUNOFF FROM THE FROM THE AVENIDA DE BENITO JUAREZ AVE. SIDEWALK IMPROVEMENTS WILL BE TREATED BY A WATER QUALITY INFILTRATION SWALE.

