IMPROVEMENT PLANS FOR:

PROJECT NAME

A. GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED BEFORE CONSTRUCTION OF CURB, GUTTER, SIDEWALKS, DRIVEWAYS, OR OTHER SURFACE IMPROVEMENTS OF THE STREETS.

2. SIDEWALK SHALL BE SIX INCHES THICK THROUGH ALL DRIVEWAYS.

3. ALL WORK SHALL BE COMPLETED PER THESE PLANS AS WELL AS ALL APPROVED REVISION. ALL CHANGES OR REVISIONS THERETO MUST BE APPROVED BY THE CITY ENGINEER, IN WRITING, PRIOR TO ANY REQUEST FOR INSPECTIONS.

4. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITY EXCEPT AS SHOWN HEREON. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT (PHONE NUMBER: 1-800-422-4133) TWO (2) WORKING DAYS IN ADVANCE OF ANY EXCAVATION FOR THE MARK OUT OF THE LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK. FOR ANY QUESTIONS REGARDING THE MARK OUT OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY.

   a. STREET LIGHTS OR SIGNAL LIGHT CONDUITS
      CITY OF CHULA VISTA 619-397-6000

   b. SEWER OR STORM DRAINS VERIFICATION / NOTIFICATIONS
      CITY OF CHULA VISTA 619-397-6000

   c. SAN DIEGO GAS & ELECTRIC
      SAN DIEGO GAS 800-227-2600
      SAN DIEGO ELECTRIC 619-230-7800

   d. WATER
      OTAY WATER DISTRICT 619-670-2222
      SAN DIEGO COUNTY WATER AUTHORITY 858-522-6900
      SWEETWATER AUTHORITY 619-420-1413

   e. TELEPHONE
      PACIFIC BELL 619-266-4683

   f. TELEVISION
      COX CABLE OF SAN DIEGO 619-263-9251
      CHULA VISTA CABLE 619-476-0177
      ULTRONICS / WORLDWIDE SATELLITE 619-422-0776

5. CITY OF CHULA VISTA INSPECTION NOTICE:

   a. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE CITY ENGINEER TWO (2) WORKING DAYS IN ADVANCE NOTICE OF COMMENCEMENT OF WORK AT THE FOLLOWING PHONE NUMBER 619-397-6128

   b. THE CONTRACTOR SHALL GIVE 24 HOURS (ONE WORKING DAY) NOTICE ON CALLS FOR INSPECTION AT THE FOLLOWING PHONE NUMBER 619-397-6128

   c. ANY WORK PERFORMED WITHOUT THE BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL AT CONTRACTOR'S EXPENSE.

   d. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND WORK PRIOR TO THE EXCAVATION FOR INSTALLATION OF NEW UNDERGROUND WORK.

6. STREET LIGHT NOTICE:

   THE STREET LIGHTS AND SERVICES POINTS SHOWN HEREON ARE APPROXIMATE ONLY. SERVICE POINTS ARE SUBJECT TO REVISION BY THE SAN DIEGO GAS AND ELECTRIC COMPANY FINAL PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE PROPER SERVICES TO THE STREET LIGHTS SHOWN ON THE PLAN ACCORDING TO ALL THE APPLICABLE CITY OF CHULA VISTA PLANS AND SPECIFICATION. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING CONDUIT AND ELECTRIC CONDUCTORS FROM STREET LIGHTS TO APPROVED SERVICE POINTS FURNISHED BY SAN DIEGO GAS AND ELECTRIC COMPANY. CONDUIT RUNS AND CONDUCTOR SIZE FROM STREET LIGHTS TO SERVICE POINTS SHALL BE SHOWN ON THESE PLANS AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION. STREET LIGHTING CONDUIT SHALL BE 1 ½" MIN. PVC (SCHEDULE 80). FINAL LOCATION AND SIZE OF STREET LIGHTS, CONDUIT, WIRE AND PULL BOXES SHALL BE APPROVED PRIOR TO BEGINNING OF CONSTRUCTION.

7. NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATION. 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 DURING CONSTRUCTION OPERATIONS..

8. LOCATION AND TYPE OF STREET TREES FOR EACH LOT TO BE DETERMINED BY THE PUBLIC WORKS DEPARTMENT-STREET OPERATIONS.

9. MAXIMUM DISTANCE BETWEEN PULL BOX IS 190 FEET.

10. ALL UTILITIES SHALL HAVE A MINIMUM OF 90% RELATIVE COMPACTION IN ALL TRENCH BACKFIL.

11. AS-BUILT DRAWINGS: A SET OF BLUELINE PRINTS AND A SET OF SPECIFICATION SHALL BE KEPT AT ALL TIMES ON WHICH ALL CHANGES OR VARIATION IN THE WORK, INCLUDING ALL UTILITIES, ARE TO BE RECORDED.

12. CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS SHOWN ON THESE PLANS FOR SUBMITTAL ARE ALL IMPROVEMENTS IN ACCORDANCE TO CITY ENGINEERS APPROVAL PRIOR TO CONSTRUCTION.

13. THE OWNER MUST OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (D.O.S.H.) PRIOR TO START OF CONSTRUCTION.

14. ALL STORM DRAIN PIPE SHALL BE 1500 D - LOAD UNLESS OTHERWISE SHOWN ON THESE PLANS.

15. DUST GENERATED BY CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL DUST CONTROL AND UNIFORM BUILDING CODE (UBC) REQUIREMENTS WHICH INCLUDE DUST CONTROL MEASURES FOR CONSTRUCTION SITES. DUST REDUCING MEASURES SHALL INCLUDE REGULAR WATERING OF GRADED SURFACES AND RESTRICTION OF ALL CONSTRUCTION VEHICLES AND EQUIPMENT TO TRAVEL ALONG ESTABLISHED AND REGULARLY WATER ROADWAYS.

B. DIG ALERT NOTICE

IMPORTANT NOTICE
SECTION 4215/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. PER YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.

C. FIRE ACCESS NOTE:

ALL FIRE HYDRANTS AND HARD SURFACES ACCESS MUST BE IN PLACE BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE CONSTRUCTION SITE.

D. SPECIAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SLOPES, STREETS, UTILITIES, AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AND INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT _____ AND THE CITY INSPECTOR. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM CONTRACTOR'S OPERATIONS BY APPROPRIATE MEANS (SAND BAGS, HAY BALES, TEMPORARY DESILTING BASINS, SILT FENCES, DIKES, SHORING, ETC...) UNTIL SUCH TIME THAT THE TOTAL PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER OWNER, AGENCY OR ASSOCIATION IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE.

2. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING;NG UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISION TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.

3. LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL REPORT TO THE ENGINEER OR CITY INSPECTOR ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE PLANS.

4. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.

5. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

6. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY OF CHULA VISTA HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE THIS PROJECT, EXCEPTING THEREFROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER OR THE CITY OF CHULA VISTA.

7. CONTRACTOR IS RESPONSIBLE FOR HAVING TRAFFIC CONTROL PLANS APPROVED BY THE CITY ENGINEER PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT OF WAY.

8. CONTRACTOR SHALL REPAIR ALL DESTROYED OR DAMAGED EXISTING SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL OR SUPERIOR TO THOSE DAMAGED OR DESTROYED.

9. ALL DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE JOB SITE TO AN APPROVED DISPOSAL SITE.

10. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR THE UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS AND THE CITY ENGINEER.

E. PRECONSTRUCTION CONFERENCE:

THE CONTRACTOR SHALL NOT BEGIN ANY WORK ON THIS PROJECT UNTIL A PRECONSTRUCTION CONFERENCE IS HELD WITH THE ENGINEER OF WORK, THE SOILS ENGINEER, DEVELOPER, CONTRACTOR, CITY OF CHULA VISTA LANDSCAPE INSPECTOR, OTAY WATER DISTRICT INSPECTOR, AND CITY ENGINEER.

F. SHEET INDEX:

SHEET 1 : TITLE SHEET / NOTES
SHEET 2 : NOTES
SHEET 3 : KEY MAP AND STREET SECTIONS
SHEET 4 : WATER AND SEWER LATERALS
SHEET #-# : IMPROVEMENT PLANS
SHEET # CURB RETURN

G. VICINITY MAP:

AREA FOR VICINITY MAP

H. OWNER'S CERTIFICATE:

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS. IT IS FURTHER AGREED THAT THE OWNER (DEVELOPER) SHALL HAVE THE ENGINEER OF WORK MAKE SUCH CHANGES, ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE ENGINEER OF WORK DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS. ALL PLAN CHANGES SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

I FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING CITY RIGHT-OF-WAY WITHIN 60 DAYS AFTER ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED.

NAME: _____

ADDRESS: _____

PHONE: _____

BY: _____ DATE: _____

I. APPLICANT'S NAME:

NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

J. SOILS ENGINEER'S CERTIFICATE:

I, _____(NAME)_____, A REGISTERED CIVIL ENGINEER OF THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY VERIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES OF AND . ONE COMPLETE COPY OF THE SOILS REPORT COMPILED FROM THIS STUDY, WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE CITY ENGINEER.

THESE GRADING PLANS HAVE BEEN REVIEWED BY ME OR UNDER MY DIRECTION AND CONFORM TO THE RECOMMENDATIONS MADE IN THE SOILS REPORT MENTIONED ABOVE.

SIGNED: _____ DATE: _____

DISCIPLINE: _____ EXPIRATION DATE: _____

K. DECLARATION OF RESPONSIBLE CHARGE:

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CHULA VISTA AND WATER DISTRICT IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

(FIRM NAME & ADDRESS)

BY: _____ DATE: _____

(ENGINEER'S NAME, LICENSE NO. & LICENSE EXPIRATION)

L. LEGAL DESCRIPTION

INSERT LEGAL DESCRIPTION

M. ASSESSOR'S PARCEL NO.

XXX-XXX-XX XXX-XXX-XX XXX-XXX-XX XXX-XXX-XX

N. BENCHMARK

XXXXX

O. AS BUILTS

THE CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK, AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS AND GRADING SHOWN ON THESE PLANS FOR SUBMITTAL TO THE CITY ENGINEER FOR APPROVAL IN ACCORDANCE WITH SECTION 15.04.140 OF THE CHULA VISTA MUNICIPAL CODE

P. WORK TO BE DONE:

THE WORK TO BE DONE CONSISTS OF THE ITEMS INDICATED UNDER THE "LEGEND" SHOWN BELOW, AND IS TO BE DONE IN ACCORDANCE WITH THESE PLANS AND THE FOLLOWING LIST OR PRINTED MATERIALS AS CURRENTLY ADOPTED BY THE CITY OF CHULA VISTA CITY COUNCIL INCLUDING THE FOLLOWING:

1. 2021 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK").
2. 2022 SAN DIEGO AREA REGIONAL STANDARD DRAWINGS.
3. JULY 2024 CITY OF CHULA VISTA STANDARD SPECIAL PROVISIONS (TO THE GREENBOOK).
4. 2017 DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF CHULA VISTA.
5. PORTION OF THE STATE STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, DATED 2023 AND ALL SUBSEQUENT ADDITIONS AND REVISIONS.
6. PORTION OF THE STATE STANDARD PLANS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, DATED 2023 AND ALL SUBSEQUENT ADDITIONS AND REVISIONS.
7. 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ("CA-MUTCD") AND ALL SUBSEQUENT ADDITIONS AND REVISIONS.
8. WATER AGENCIES STANDARDS SPECIFICATIONS FOR WATER, RECYCLED WATER AND SEWER FACILITIES, LATEST EDITION.

ALL REFERENCES ARE TO BE MADE PART OF THESE PLANS. ANY CHANGES OR REVISIONS THEREFROM, SHALL BE APPROVED BY THE CITY ENGINEER, OR HIS/HER DESIGNEE, PRIOR TO ANY REQUEST FOR INSPECTION.

Q. LEGEND:

DWG. NO. SYMBOL

"ENGINEER AS-BUILT CERTIFICATE"

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE IMPROVEMENTS SHOWN ON THIS SET OF PLANS (SHEET ------ THROUGH SHEETS ------) HAVE BEEN INSTALLED AND CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE SAID PLANS, ALL APPROPRIATE STANDARDS AND ANY DISCRETIONARY APPROVAL(S) FOR THE PROJECT.

SIGNED: _____ DATE: _____

PRINTED NAME: _____ P.E. No._____

DISCIPLINE: _____ MY REGISTRATION EXPIRES: _____

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

Designed By: | Drawn By: | Checked By:

Plans Prepared Under Supervision Of: Date:_____

_____ R.C.E. No. _____

AREA FOR CITY ENGINEER STAMP

THE CITY OF CHULA VISTA

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING NOT TO SCALE

TITLE/NOTES SHEET FOR

PROJECT NAME

DEVELOPMENT SERVICES DEPARTMENT

ACCELA NO.: XXXX

PROJECT NO.: XXXX

TOTAL SHEETS: XXXX

Approved: _____

By: _____
Principal Civil Engineer

XXXX – XXXX
HORIZONTAL DATUM NADXX

Submitted: _____

By: _____

XXXX – XXXX
VERTICAL DATUM NAVDXX

Planning: Landscape:

AS BUILT

CONTRACTOR: _____

INSPECTOR: _____ DATE COMPLETED: _____

DRAWING NO.

XXXXX I001

PROJECT TITLE

CV REVISED: 2024/12/09

R. OTAY WATER DISTRICT / SWEETWATER AUTHORITY:

1.

S. PAVEMENT NOTES:

THE OFFICE OF THE CITY ENGINEER SHALL DESIGN ALL STRUCTURAL STREET SECTION BASED ON THE "R" VALUE METHOD SPECIFIED BY THE CITY ENGINEER. THE SOIL TEST SHALL BE PERFORMED BY A REGISTERED CIVIL ENGINEER WHOSE PRIMARY PROFESSIONAL ACTIVITY IS PERFORMING SUCH TESTS. TEST RESULTS SHALL BE PROVIDED TO THE CITY BY THE SUDIVIDER IN THE NUMBER AND AT SUCH LOCATIONS AND TIMES AS DETERMINED BY THE CITY ENGINEER. WHERE HEAVY GRADING IS PROPOSED, GATHERING OF SAMPLES SHALL BE DELAYED UNTIL THE ROUCH SUBGRADE IS MADE. MINIMUM BASE THICKNESS ON ALL STREET CLASSIFICATION SHALL BE PER SECTION 3.403-3 OF THE CITY OF CHULA VISTA SUBDIVISION MANUAL. BASE MATERIAL SHALL CONFORM TO CRUSHED AGGREGATE BASE, 3 / 4 INCH MAXIMUM, OR APPROVED ALTERNATIVE AS SET FORTH IN THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTIONS, SECTION 200.2-2 LATEST EDITION. ALL ASPHALT CONCRETE SURFACES SHALL BE SEAL COATED IN ACCORDANCE WITH SECTION 302-8.10 OF THE CITY OF CHULA VISTA STANDARD SPECIAL PROVISIONS.

(FOR ALLEYS AND ALLEY APPROACHES ONLY) WHERE R VALUE TESTS ARE NOT PROVIDED OR RESULTS ARE NOT ADEQUATE FOR 5.5-INCH (14 CM) THICK CONCRETE, ALLEYS AND ALLEY TYPE DRIVEWAYS APPROACHES SHALL BE CONSTRUCTED OF 8-INCH (20CM) THICK CONCRETE REINFORCED WITH 8-INCH BY 8-INCH (16 CM X 16 CM) 4 / 4 WOVEN WIRE MESH OR EQUIVALENT.

T. SPECIAL STREET LIGHTING NOTES:

STREET LIGHT CONSTRUCTION SHALL NOT PROCEED UNTIL SERVICE POINTS ARE KNOW AND STREET LIGHTING CONDUIT, PULL BOXES, AND WIRES SIZES ARE SHOWN ON THESE PLANS TO THE SATISFACTION OF THE CITY ENGINEER. STREET LIGHT WIRING AND SERVICE POINTS SHALL BE ADDED TO THESE PLANS BY A CONSTRUCTION CHANGE APPROVED BY THE CITY ENGINEER.

U. TRAFFIC CONTROL NOTES:

TRAFFIC CONTROL PLANS SHALL BE REQUIRED FOR ALL WORK PERMITTED WITH THE CITY RIGHT-OF-WAY THAT MAKES IT NECESSARY FOR MOTORISTS TO DEVIATE FROM THE NORMAL COURSE OF TRAVEL. SAID TRAFFIC CONTROL PLANS SHALL CONFORM TO THE LATEST STANDARDS SET FORTH IN PART 6 OF THE CALIFORNIA MUTCD MANUAL WITH THE CALIFORNIA SUPPLEMENT OR THE LATEST VERSION OF THE SAN DIEGO REGIONAL STANDARDS. THE CITY OF CHULA VISTA TRAFFIC ENGINEERING SECTION, PRIOR TO THE ISSUANCE OF PERMITS, SHALL APPROVE THESE PLANS FOR ANY SUCH WORK.

IF THE NEED FOR TRAFFIC CONTROL BECOMES APPARENT AFTER THE ISSUANCE OF A PERMIT OR START OF WORK. THE CITY'S INSPECTION SECTION MAY REQUIRE THE PREPARATION OF SUCH A PLAN. IF SUCH A DETERMINATION IS MADE BY THE CITY'S INSPECTION SECTION, UPON NOTIFICATION OF THE SUPERINTENDENT OF THE JOB IN QUESTION, WORK IN THE RIGHT-OF-WAY SHALL CEASE UNTIL SUCH TIME AS TRAFFIC CONTROL PLANS HAVE BEEN APPROVED BY CITY'S TRAFFIC ENGINEER.

THE DEVELOPER / CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENT AND / OR VERTICAL CONTROL BENCHMARKS WHICH ARE DESTROYED BY CONSTRUCTION ACTIVITIES. A LAND SURVEYOR MUST FIELD LOCATE AND TIE-OUT ALL SURVEY MONUMENTS WITHIN THE WORK AREA PRIOR TO CONSTRUCTION; AND IF DESTROYED, A LAND SURVEY, OR A CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING SHALL REPLACE SUCH MONUMENTS WITH THE APPROPRIATE MONUMENTS, AND CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYOR'S ACT. THE DEVELOPER / CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING THE VERTICAL BENCHMARKS DESTROYED BY CONSTRUCTION ACTIVITIES.

THE FOLLOWING NOTE IS APPLICABLE ONLY IF THE AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 5,000: THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHALL BE SUBMITTED TO THE FRONT COUNTER OF THE CITY'S DEVELOPMENT SERVICES DEPARTMENT. THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) WORKING DAYS IF WORK WILL AFFECT A BUS STOP OR ANY EXISTING TRAFFIC SIGNAL, OR IF WORK REQUIRES A ROAD OR ALLEY CLOSURE.

V. TRAFFIC STRIPES, PAVEMENT MARKING, & PAVEMENT MARKERS.

1. ALL DETAILS AND DIMENSIONS FOR TRAFFIC STRIPES AND MARKINGS SHALL CONFORM TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) TRAFFIC MANUAL AND MAINTENANCE MANUAL. THE LATEST VERSION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALIFORNIA SUPPLEMENTS. PAVEMENT STRIPES SHALL CONFORM TO SECTION 310-5.6 OF THE STANDARD SPECIFICATION AND THESE SPECIAL PROVISIONS.
2. TRAFFIC LINE PAINT SHALL BE RAPID DRY CONFORMING TO SECTION 210-1.6.3 AND SHALL CONTAIN REFLECTIVE MATERIAL CONFORMING TO SECTION 210-1.6.5 OF THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL FURNISH THE NECESSARY CONTROL POINTS FOR ALL STRIPING AND MARKINGS, AND SHALL BE RESPONSIBLE FOR THE COMPLETENESS AND ACCURACY THEREOF TO THE SATISFACTION OF THE ENGINEER.
4. REFLECTORIZED PAVEMENT MARKERS SHALL BE INSTALLED ON ALL LANE LINES AND CENTERLINE STRIPING PER APPROPRIATE CALTRANS' "DETAIL NUMBER." BLUE REFLECTORIZED PAVEMENT MARKER FOR FIRE HYDRANT LOCATION TO BE INSTALLED PER CALTRANS' TRAFFIC MANUAL, FIG. 6-48. PAVEMENT MARKERS SHALL CONFORM TO SECTION 85, "PAVEMENT MARKES" OF THE CALTRANS STANDARD SPECIFICATION, AND THESE SPECIAL PROVISIONS. PAVEMENT MARKER HEIGHT SHALL BE 0.70-INCH MINIMUM. "LOW PROFILE" TYPE MARKERS WILL NOT BE ACCEPTABLE.
5. NOTHING IN THESE SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS / HER RESPONSIBILITY AS PROVIDED IN SECTION 7-1.09, "PUBLIC SAFETY," OF THE CALTRANS STANDARD SPECIFICATION, SECTION 7-10 OF THE GREENBOOK.
6. USE HOT APPLIED "THERMOPLASTIC" MATERIALS FOR CROSSWALKS AND LIMIT LINES. SEE SECTION 84-2 OF CALTRANS STANDARD SPECIFICATION (LATEST EDITION).
7. PAINTING TRAFFIC STRIPES (TRAFFIC LINES) & PAVEMENT MARKINGS SHALL CONFORM TO SECTION 84-1, "GENERAL", & 84-3, "PAINTED TRAFFIC STRIPES & PAVEMENT MARKINGS", OF THE CALTRANS STANDARD SPECIFICATIONS.
8. CONTROL OF ALIGNMENT AND LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO APPROVAL BY THE ENGINEER.
9. SECTION 84-3/02, "MATERIALS", OF THE STANDARD SPECIFICATION IS AMENDED TO READ:

   PAINT FOR TRAFFIC STRIPES AND PAVEMENT ARROWS SHALL CONFORM TO THE FOLLOWING STATE SPECIFICATIONS:

PAINT ______________	STATE SPECIFICATION No.
RAPID DRY WATER-BORNE,	# PTWB-01
WHITE, YELLOW, AND BLACK	DECEMBER 20____

10. GLASS BEADS SHALL CONFORM TO STATE SPEC. No. 8010-51-J-22 (TYPE III).
11. COPIES OF STATE SPECIFICATION FOR TRAFFIC PAINT AND GLASS BEADS MAY BE OBTAINED FROM THE TRANSPORTATION LABORATORY, P.O. BOX 19126, SACRAMENTO, CA 95819. TEL. (961) 739-2400 OR @ HTTP:/WWW.DOT.CA.GOV/HQ/ESC/TTSB/CHEMICAL/SPECTWB-01 (DEC 2003),PDF.
12. THINNING OF PAINT WILL NOT BE ALLOWED.

V. TRAFFIC STRIPES, PAVEMENT MARKINGS, AND PAVEMENT MARKERS: CONTINUED

13. PAINT SHALL BE TESTED PRIOR TO USE, OR THE MANUFACTURER SHALL PROVIDE THE CITY ENGINEER WITH A CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH SECTION 6-1.07, "CERTIFICATE OF COMPLIANCE", OF THE STANDARD SPECIFICATIONS. SAID CERTIFICATE SHALL CERTIFY THAT THE PAINT COMPLIES WITH THE SPECIFICATION AND THAT PAINT MANUFACTURED TO THE SAME FORMULATION AND PROCESS HAS PREVIOUSLY PASSED STATE TESTING. A LIST OF MANUFACTURERS THAT HAVE PRODUCE PAINT MEETING STATE SPECIFICATION IS AVAILABLE FROM THE STATES TRANSPORTATION LABORATORY. (MATERIAL SUPPLIED BY MANUFACTURERS OTHER THAN THOSE THAT HAVE MANUFACTURED APPROVED PAINT WILL REQUIRE COMPLETE TESTING.)
14. THE SECOND PARAGRAPH IN SECTION 84-3.03, "MIXING", OF THE STANDARD SPECIFICATION IS DELETED.
15. ON NEW SURFACING, THE FIRST COAT OF PAINT FOR TRAFFIC STRIPING SHALL BE APPLIED NO LATER THAN 24 HOURS FOLLOWING COMPLETION OF PAVEMENT ROLLING. THE SECOND COAT SHALL BE COMPLETED NO LATER THAN 4:00 PM THE FOLLOWING WORKDAY.
16. THE CONTRACTOR SHALL BE REQUIRED TO PAINT TRAFFIC STRIPES AND PAVEMENT MARKINGS AND INSTALL RAISED PAVEMENT MARKERS PER CALTRANS STANDARD PLANS.
17. ALL NEW SAND BLASTING OF REDUNDANT STRIPING SHALL BE COMPLETED WITH 48 HOURS OF THE CHANGES.
18. INSIDE DIMENSIONS OF ALL CROSSWALKS TO BE 10 FEET. (TRF-01) PAVEMENT STRIPING REMOVAL, RE-STRIPING, AND MARKINGS.
19. EXISTING TRAFFIC STRIPES AND MARKINGS THAT DO NOT CONFORM TO THE PLANS SHALL BE REMOVED BY SAND BLASTING AS SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO VERIFY THE LINEAL FOOTAGE OF STRIPING TO BE REMOVED.
20. SPOTTING SHALL BE COMPLETED PRIOR TO THE REMOVAL OF ANY EXISTING STRIPES, EXISTING STRIPES AND MARKINGS SHALL BE REMOVED PRIOR TO PAINTING NEW ONES. BUT IN NO CASE SHALL ANY SECTION OF STREET BE LEFT WITHOUT PROPER STRIPING FOR MORE THAN 24 HOURS, OR OVER THE WEEKENDS OR HOLIDAYS.
21. CONTRACTOR SHALL REMOVE PAVEMENT LEGENDS / MARKINGS, TRAFFIC STRIPING AND ASSOCIATED RAISED PAVEMENTS MARKERS AS SHOWN ON THE PLANS.
22. EXISTING RAISED PAVEMENT MARKERS, WHEN ADJACENT TO A PAINT STRIPE, WHICH IS TO BE REMOVED, SHALL BE REMOVED AND DISPOSED OF.
23. IF, FOR ANY REASON, THERE WILL BE A PERIOD OF TIME AFTER REMOVAL OF EXISTING STRIPING AND PAINTING OF NEW STRIPING, DURING WHICH PUBLIC TRAFFIC WILL USE ALL OR PORTION OF ANY ROADWAY IN THE PROJECT AREA, THE CONTRACTOR SHALL PROVIDE TEMPORARY DELINEATION WITH "CHIP SEAL MARKERS," WHITE (ONE WAY), TYPE W, AND YELLOW (TWO WAY), TYPE Y, TEMPORARY PAVEMENT MARKERS, BOTH TYPES WITH REFLECTIVE STRIPS; OR APPROVED EQUAL. THESE MARKERS SHALL BE EITHER WHITE OR YELLOW, AS DIRECTED BY THE CITY'S PUBLIC WORKS INSPECTOR, AND SHALL BE AT MAXIMUM 24-FOOT CENTERS. THE MARKERS WILL BE PLACED EITHER ON THE OLD LINES, WHICH WERE JUST REMOVED, OR ON THE NEW LINES LAID OUT BY THE CONTRACTOR, AS DIRECTED BY THE CITY ENGINEER. THE FURNISHING AND INSTALLING OF THESE MARKERS SHALL BE IN ADDITION TO ANY OTHER DELINEATION (CONES, SIGNS, BARRICADES, ETC.), WHICH ARE REQUIRED FOR PUBLIC SAFETY. AFTER CONTRACTOR HAS PAINTED THE NEW STRIPING, CONTRACTOR SHALL REMOVE AND DISPOSE OF THESE TEMPORARY PAVEMENT MARKERS.
24. ALL SIGNS REMOVED AND SALVAGED SHALL BE DELIVERED TO THE CITY JOHN P. LIPPITT PUBLIC WORKS CORPORATION YARD, 1800 MAXWELL ROAD, ATTENTION: DAVID SAVAGE, SIGNS AND STRIPING SUPERVISOR AT (619) 397-6207.

W. SEWER NOTES:

1. SEWER SHOWN ON THESE PLANS IS P.V.C. SEWER PIPES PER ASTM D-3034 TYPE PSM SDR-35. UNLESS OTHERWISE NOTED, WITH MINIMUM PIPE STIFFNESS OF 46 WHEN TESTED AT FIVE PERCENT DEFLECTION. GRAVITY P.V.C. SEWER SHALL HAVE A 3/4 INCH MAXIMUM CRUSHED ROCK BACKFILL TO ONE FOOT ABOVE THE PIPE.
2. AS AN ALTERNATE TO P.V.C. ANA.B.S. COMPOSITE SEWER PIPE CONFORMING TO ASTM D-2680 WITH TYPE S.C. COUPLERS MAY BE USED IN SIZES EIGHT INCHES AND ABOVE. FOUR INCHES OR SIX INCHES SHALL BE A.B.S. SOLID WALL WITH F/DY NOT LESS THAN 150 PSI PER ASTM D-2751.
3. SEWER CONTRACTOR SHALL MAKE CERTAIN THAT ALL MANHOLES ARE CONSTRUCTED IN EXACT LOCATION SHOWN, AND WITH THE OFFSET CONE POSITIONED AWAY FROM SURVEY MONUMENTS LOCATION ADJACENT THERETO.
4. THE PIPE BEDDING SHALL BE IN ACCORDANCE WITH REGIONAL STANDARD DRAWINGS NO. SP-02.
5. THE P.V.C. AND A.B.S. PIPE CONNECTION TO MANHOLES SHALL HAVE MANHOLE WATER STOP GASKETS AT EACH CONNECTION TO MANHOLES. THESE WATER STOP GASKETS SHALL BE CONSIDERED TO BE INCLUDED IN THE UNIT PRICE BID FOR MANHOLES.
6. RIM ELEVATIONS SHOWN ARE FOR INFORMATION ONLY. ALL MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE. FINAL PAVING ELEVATIONS AND CROSS SLOPES ACCORDING TO CHULA VISTA STANDARDS AND SPECIAL PROVISIONS.
7. EACH UNIT SHALL RECEIVE ONE (1) SEWER LATERAL WHICH WILL BE SHOWN ON AS-BUILT PLANS.
8. PIPE CONNECTION SHALL RECEIVE ONE (1) SEWER LATERAL WHICH WILL BE SHOWN ON AS-BUILT PLANS.
9. AN "S" MUST BE STAMPED ON CURB AT ALL SEWER LATERAL LOCATIONS.
10. PIPE CONNECTION TO MANHOLE (MH) SHALL COMPLY WITH REGIONAL STANDARDS.
11. EACH SEWER LATERAL SHALL RECEIVE ONE (1) CLEANOUT INSTALLED AT PROPERTY LINE.

X. FIRE NOTES:

1. COMMERCIAL FIRE HYDRANTS SHALL HAVE ONE (1) 4 INCH OUTLET AND TWO (2) 2-1/2 INCH OUTLETS. RESIDENTIAL FIRE HYDRANTS SHALL HAVE ONE (1) 4 INCH OUTLET AND TWO (2) 2-1/2 INCH OUTLET. INSTALLATION SHALL BE IN ACCORDANCE PER THE STANDARD SPECIFICATION.
2. FIRE HYDRANT SPACING SHALL BE:
   - 300 FEET FOR COMMERCIAL BUILDINGS, APARTMENTS & CONDOMINIUMS.
   - 500 FEET FOR RESIDENTIAL.
   - 1,000 FEET ON PARKWAYS - ALTERNATING SIDES OF STREET.
3. PROTECTION OF FIRE HYDRANTS TO BE PROVIDED AND MAINTAINED AT ALL TIMES.
4. WATER SUPPLY SHALL BE INSTALLED AND OPERABLE PRIOR TO DELIVERY OF COMBUSTIBLE MATERIALS TO THE CONSTRUCTION SITES.
5. WATER SUPPLY WILL CONSIST OF FIRE HYDRANTS AS APPROVED AND INDICATED BY THE FIRE DEPARTMENT DURING PLAN CHECK. A TEMPORARY SUPPLY MAY BE ALLOWED AND WILL INCLUDE ABOVE GROUND PIPING (HIGH LINE) CONNECTED TO AN UNDERGROUND SUPPLY. ANY TEMPORARY WATER SUPPLY SOURCE IS SUBJECT TO PRIOR APPROVAL FROM THE FIRE MARSHAL.
6. ACCESS FOR FIRE APPARATUS TO BE PROVIDED AND MAINTAINED TO WITHIN 150 FEET OF ANY FINISHED OR UNFINISHED BUILDING MATERIAL OR COMBUSTIBLE CONSTRUCTION MATERIAL.
7. ACCESS TO HYDRANTS TO BE PROVIDED AND MAINTAINED AT ALL TIMES. HYDRANTS SHALL NOT BE OBSTRUCTED IN ANY MANNER. CURBS SHALL BE PAINTED RED A MINIMUM OF 15 FEET ON EACH SIDE OF HYDRANT.
8. THE FIRE HYDRANT'S FLOWS SHALL BE DETERMINED BY THE FIRE MARSHAL.
9. TEMPORARY STREET SIGNS SHALL BE PROVIDED BE CONSTRUCTION BEGINS AND SHALL BE THE SOLE RESPONSIBILITY OF THE DEVELOPER.

Y. SIGNS:

1. THE CONTRACTOR SHALL FURNISH NEW VANDAL RESISTANT NUTS, BOLTS, WASHERS, FRAMEWORK AND OTHER MOUNTING HARDWARE.
2. ALL NEW SIGNS SHALL BE ALUMINUM WITH ASTM TYPE 11 REFLECTIVE SHEETING OR APPROVED EQUAL.
3. ALL SIGNS REMOVED AND SALVAGED SHALL BE DELIVERED TO THE JOHN P. LIPPITT PUBLIC WORKS CORPORATION YARD, 1800 MAXWELL ROAD. ATTENTION DAVID SAVAGE, SIGNS AND STRIPING SUPERVISOR AT (619) 397-4207.

Z. ADDITIONAL CONSTRUCTION NOTES:

1. NEW CONSTRUCTION IS SHOWN IN BOLD LINES AND EXISTING IMPROVEMENTS ARE SHOWN IN LIGHT LINES. USE ALL NEW EQUIPMENT AND HARDWARE EXCEPT WHEN NOTED IN THE PLAN, SCHEDULE OR SPECIFICATIONS. ALL OTHER EQUIPMENT SHALL REMAIN IN PLACE.
2. REMOVE AND SALVAGE STREET NAME SIGNS, STOP SIGNS, AND POSTS. REMOVE ABANDONED FOUNDATIONS TO A DEPTH OF 6-INCHES BELOW EXISTING SURFACE GRADE OR 30-INCHES BELOW GRADE IN DIRT AREAS. SALVAGED EQUIPMENT SHALL BE DELIVERED TO THE JOHN P. LIPPITT PUBLIC WORKS CORPORATION YARD AT 1800 MAXWELL ROAD. ALL OTHER REMOVED EQUIPMENTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
3. SAND BLAST EXISTING STOP LEGENDS, LANE LINES, AND CONFLICTING STRIPING AS SHOWN ON PLAN. ALL SAND BLASTED AREAS SHALL BE REPAVED BY APPLYING A SEAL COAT OR OTHER APPROVED METHODS IN ORDER TO RESTORE THE PAVEMENT SURFACE TO EXISTING CONDITIONS.
4. CROSSWALK, LIMIT LINES, TURN ARROWS, AND LEGENDS SHALL BE INSTALLED IN THERMOPLASTIC.
5. TRAFFIC SIGNAL STANDARDS AND EQUIPMENTS SHALL BE INSTALLED TO ALLOW FOR A FOUR FEET (4') ADA CLEARANCE. INSTALL CONDUIT AWAY FROM AN EXISTING AND / OR PROPOSED LOCATION OF PEDESTRIAN RAMP.
6. SECTION 4216 / 4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. No., CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-422-4133 TWO (2) WORKING DAYS BEFORE COMMENCEMENT OF WORK.

AA. 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 (MOST RECENT EDITION), GRADING ORDINANCE NO. 1797, THE WATER CONSERVATION ORDINANCE, AND THE SAN DIEGO COUNTY HANDBOOK FOR PUBLIC WORKS CONSTRUCTION. WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY MATTER, THE DIRECTOR OF DEVELOPMENT SERVICES OR DESIGNEE SHALL DETERMINE WHICH SPECIAL CONDITION OR CODE SHALL GOVERN. PLANS SHALL BE APPROVED BY THE DIRECTOR OF DEVELOPMENT SERVICES OR DESIGNEE PRIOR TO ISSUANCE OF APPLICABLE CONSTRUCTION AND BUILDING PERMITS.
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, AS DIRECTED BY THE CITY'S DIRECTOR OF DEVELOPMENT SERVICES.
3. PRIOR TO GRADING, CONTRACTOR SHALL FIELD VERIFY EXISTING IRRIGATION SYSTEMS TO DETERMINE WHICH ARE OPERABLE. UNLESS OTHERWISE NOTED ON THESE PLANS, ALL EXISTING IRRIGATION SYSTEMS ARE TO BE PROTECTED IN PLACE AND REMAIN OPERABLE. CONTACT THE FOLLOWING CITY STAFF A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK.

   CITY LANDSCAPING COORDINATION CONTACTS:
   SR. LANDSCAPE INSPECTOR - DAVE DEFACCI, (619-409-5432) DDEFACCI@CHULAVISTACA.GOV
   PARKS MANAGER - DANNY SCHRECK, (619-921-2626) DSCHRECK@CHULAVISTACA.GOV
   OPEN SPACE MANAGER - SAM OLUDUNFE (619-397-6006) SOLUDUNFE@CHULAVISTACA.GOV
   PUBLIC WORKS SUPERINTENDENT - KALANI CAMACHO (619-397-6113) KALANIC@CHULAVISTACA.GOV
4. FOR LANDSCAPE AND IRRIGATION PLANS, SEE PERMIT NO. ______ OR CITY OF CHULA VISTA DRAWING NO. ______.

BB. EROSION CONTROL NOTES:

1. THE EROSION CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AND MODIFICATION OF THE EROSION CONTROL DEVICES DURING THE RAINY SEASON. THE CONTRACTOR, PERMITTEE OR OWNER SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF THE EROSION CONTROL DEVICES DURING THE RAINY SEASON. IN THE EVENT O FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE CITY ENGINEER OR MITIGATION MONITOR 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 OWNER.
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, AS RECOMMENDED BY THE ENGINEER OF WORK AND AS APPROVED BY THE CITY ENGINEER AND MITIGATION MONITOR.
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. AFTER EACH RAINSTORM EXCEEDING 1/4 INCH IN A 12-HOUR PERIOD, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS AND BASINS SHALL BE PUMPED DRY AS DEEMED NECESSARY BY THE CITY ENGINEER AND MITIGATION MONITOR.
5. 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 DIRECTOR OF DEVELOPMENT SERVICES OR DESIGNEE, PRIOR TO INSTALLATION. SPRINKLER SYSTEMS ARE REQUIRED ON ALL SLOPES THREE FEET IN VERTICAL HEIGHT OR GREATER.
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. CONCENTRATED WATER SHALL NOT BE CARRIED CLOSER THAN 10 FEET FROM THE TOP OF SLOPES.
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, AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. SANDBAGS OR DIKES.
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 HYDROSEEDED WITH THE FOLLOWING IRRIGATED SEED MIX, MULCH AND BINDING AGENT:

Botanical Name	Common Name	% Purity	% Germination	Application Rates	Mix Components	Notes

    B. IRRIGATION METHODS ARE REQUIRED FOR ALL AREAS HYDROSEEDED BETWEEN MARCH 1ST AND NOVEMBER 1ST AS NEEDED. IMMEDIATELY FOLLOWING HYDROSEED APPLICATION, AND FOR A PERIOD OF TIME OF NO LESS THAN 90 DAYS, ADEQUATE SOIL MOISTURE SHALL BE MAINTAINED IN THE UPPER ONE-HALF INCH OF SOIL TO ASSURE MAXIMUM RATES OF SEED GERMINATION AND PLANT ESTABLISHMENT. IRRIGATION SHALL BE MAINTAINED BEYOND THE 90 DAYS WHEN DEEMED NECESSARY BY THE CITY OF CHULA VISTA PUBLIC WORKS OPERATIONS, OPEN SPACE SECTION.

    C. IRRIGATION SYSTEMS ARE NOT REQUIRED FOR AREAS HYDROSEEDED 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.

CC. SHEET MAP:

DD. FEMA FLOODPLAIN INFORMATION:

FLOOD ZONE ______________

BASE FLOOD ELEVATION (BFE) = ____________

EE. WATER FACILITIES NOTE:

ANY WATER FACILITIES SHOWN ON THESE PLANS ARE INFORMATIONAL ONLY. THE JURISDICTIONAL WATER AGENCY APPROVAL/PERMIT IS REQUIRED PRIOR TO THE ISSUANCE OF ANY CITY PERMIT.

FF. TRANSPORTATION PERMIT NOTE:

THE APPLICANT/CONTRACTOR IS REQUIRED TO OBTAIN A TRANSPORTATION PERMIT PRIOR TO HAULING ANY MATERIAL TO AND/OR FROM THE JOB SITE.

MONUMENT PRESERVATION CERTIFICATION

THE PERMITTEE SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ALL SURVEY MONUMENTS AND/OR BENCHMARKS DESTROYED BY CONSTRUCTION. PRIOR TO PERMIT ISSUANCE, THE PERMITTEE SHALL RETAIN THE SERVICE OF A PROFESSIONAL LAND SURVEYOR OR CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING WHO WILL BE RESPONSIBLE FOR MONUMENT PRESERVATION AND SHALL PROVIDE A CORNER RECORD OR RECORD OF SURVEY AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT, IF APPLICABLE. (SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA).
ANY BENCHMARKS OR HORIZONTAL CONTROL MONUMENTS DESTROYED SHALL BE RE-ESTABLISHED IN ACCORDANCE WITH CITY OF CHULA VISTA SUBDIVISION MANUAL SECTION 2-302.3 AND SECTION 2-302.1(8), RESPECTIVELY.

I HEREBY CERTIFY THAT 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 FOUND WITHIN THE LIMITS OF WORK AND HAVE BEEN TIED OUT AND A PRE-CONSTRUCTION CORNER RECORD OR RECORD OF SURVEY HAS BEEN FILED. ANY MONUMENTS DESTROYED BY CONSTRUCTION WILL BE REPLACED AND A POST-CONSTRUCTION CORNER RECORD WILL BE FILED AND A COPY OF THE RECORDED DOCUMENT WILL BE PROVIDED TO THE CITY OF CHULA VISTA.
- ☐ SURVEY MONUMENTS HAVE BEEN FOUND AND TIED OUT AND ARE OF THE CHARACTER AND LOCATION AS DESCRIBED IN AN EXISTING PUBLIC RECORD, WILL BE DESTROYED AND REPLACED, AND A POST CONSTRUCTION CORNER RECORD OR RECORD OF SURVEY WILL BE FILED.
- ☐ SURVEY MONUMENTS HAVE BEEN TIED OUT AND A FINAL OR PARCEL MAP WILL BE FILED (NO CORNER RECORD OR RECORD OF SURVEY WILL BE REQUIRED)
- ☐ CITY OF CHULA VISTA HORIZONTAL AND/OR VERTICAL CONTROL MONUMENT(S) WERE FOUND WITHIN THE LIMITS OF WORK AND THE CITY OF CHULA VISTA FIELD SURVEY SECTION HAS BEEN NOTIFIED.
- ☐ OTHER AGENCY SURVEY MONUMENT(S) WERE FOUND WITHIN THE LIMITS OF WORK, AND THE AGENCY HAS BEEN NOTIFIED OF POSSIBLE MONUMENT DESTRUCTION AND A LETTER PROVIDED TO CITY OF CHULA VISTA.

PRE-CONSTRUCTION CORNER RECORD OR RECORD OF SURVEY

CORNER RECORD #____________ OR RECORD OF SURVEY#____________

NAME ____________ P.L.S. ____________ DATE ____________

POST-CONSTRUCTION CORNER RECORD OR RECORD OF SURVEY (AS-BUILT ITEM)

CORNER RECORD #____________ OR RECORD OF SURVEY #____________

NAME ____________ P.L.S. ____________ DATE ____________

AS BUILT

SIGNATURE ____________ DATE: ____________

PRINTED NAME ____________ P.E. No.: ____________

MY REGISTRATION EXPIRES:____________ DISCIPLINE: ____________

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

Designed By: | Drawn By: | Checked By:

Plans Prepared Under Supervision Of: ____________ Date: ____________

____________ R.C.E. No. ____________

THE CITY OF CHULA VISTA

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING NOT TO SCALE

NOTES SHEET FOR

PROJECT NAME

DEVELOPMENT SERVICES DEPARTMENT

ACCELA NO.: XXXX

PROJECT NO.: XXXX

Approved: ____________

By: ____________ Principal Civil Engineer

TOTAL SHEETS: XXXX

XXXX – XXXX
HORIZONTAL DATUM NADXX

Submitted: ____________

By: ____________

XXXX – XXXX
VERTICAL DATUM NAVDXX

Planning: ____________ Landscape: ____________

AS BUILT

CONTRACTOR: ____________

INSPECTOR: ____________ DATE COMPLETED: ____________

DRAWING NO. XXXXX

I002

CV REVISED: 2024/12/09