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6. SLOPE ALL PLANTING AREAS AWAY FROM PICNIC SHELTERS AT TWO-PERCENT (2%) MINIMUM GRADIENT AND TWENTY-PERCENT (20%) MAXIMUM GRADIENT.

7. CONTRACTOR SHALL PROVIDE ELECTRONIC PHOTOGRAPHS OF ALL PROPOSED TREES TO BE INSTALLED, TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. PHOTOGRAPHS SHALL DEMONSTRATE THE AVERAGE CHARACTER AND CURRENT CONDITION OF SUCH TREES.

8. ALL TREES SHALL BE SINGLE-TRUNK STANDARDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

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10. DO NOT DAMAGE PLANT ROOT BALL DURING TRANSPORTATION OR PLANTING PROCESS.

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15. THE PLANTING PLANS ARE DIAGRAMMATIC. PLANT MATERIALS SHALL BE SPOTTED APPROXIMATELY AS SHOWN ON THE DRAWINGS. TREE LOCATIONS ARE TO BE APPROVED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO EXCAVATION FOR PLANTING PITS AND REMOVAL FROM CONTAINERS. FINAL LAYOUT OF ALL OTHER PLANT MATERIALS SHALL BE APPROVED IN THE FIELD BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.

16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON THE DRAWINGS AT THE SPECIFIED SPACINGS.

17. CONTRACTOR SHALL SUBMIT AN AGRICULTURAL SUITABILITY AND FERTILITY ANALYSIS REPORT (SOILS ANALYSIS REPORT FROM REPRESENTATIVE ON-SITE SOIL SAMPLES - SEE SPECIFICATIONS) TO THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ANY PLANTING WORK OR SOIL AMENDMENT INCORPORATION. THE RECOMMENDATIONS OF THE SOILS ANALYSIS REPORT FOR TOPSOIL AMENDMENT AND BACKFILL MIX AMENDMENT SHALL SUPERSEDE THE RECOMMENDATIONS LISTED IN THE SPECIFICATIONS.

18. CONTRACTOR SHALL COORDINATE PLANTING WORK WITH THE WORK OF OTHER TRADES AND PROFESSIONS. CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE DURING THE COURSE OF CONSTRUCTION.

19. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF EXISTING PROPOSED UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY BE AFFECTED BY INSTALLATION. IMMEDIATELY CONTACT THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT IF A CONFLICT IS EVIDENT.

20. REMOVE ALL TYING MATERIALS, MARKING TAPES, AND NURSERY STAKES AT THE TIME OF PLANTING.

21. CONTRACTOR SHALL INSTALL A THREE-INCH (3") LAYER OF BARK MULCH IN ALL SHRUB AND GROUNDCOVER AREAS WITH SLOPES SHALLOWER THAN THREE-TO-ONE (3:1) GRADIENT.

22. CONTRACTOR SHALL INSTALL EROSION CONTROL MATTING ON ALL SLOPES GREATER THAN TWO-TO-ONE (2:1) GRADIENT.

23. CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN AND OTHER IMPROVEMENTS WITHIN AND OUTSIDE THE LIMITS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGES INCURRED.

24. THE MAINTENANCE PERIOD SHALL BEGIN ONLY UPON WRITTEN ACCEPTANCE OF THE COMPLETED PLANTED AREAS BY THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.

AMENDMENTS:

REPRESENTATIVE.

ANY SPECIFIED SOIL AMENDMENTS MUST BE APPLIED PRIOR TO THE HYDROSEEDING APPLICATION. IF THE AMENDMENT IS TO BE INCORPORATED INTO THE SEEDBED, IT MUST BE DONE IN SUCH A MANNER TO DISPERSE THE AMENDMENT EVENLY THROUGHOUT THE PLANTING AREA. ALL SOIL AMENDMENTS MUST BE APPLIED AT THE RATES SHOWN IN THE SPECIFICATIONS, AND AS SPECIFIED ON THE SOILS ANALYSIS REPORT(S). ANY DEVIATIONS FROM THESE NEEDS TO BE APPROVED BY THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO MAKING ANY SUCH CHANGES.

SEED SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS. EACH CONTAINER SHALL HAVE AN ATTACHED SEED LABEL WHICH PROVIDES THE NET WEIGHT AND

OTHERWISE CONTAMINATED SEED SHALL NOT BE ACCEPTED. THE OWNER'S REPRESENTATIVE MAY PULL SAMPLES FROM EACH OF THE BAGS OF SEED FOR TESTING

A SIGNED LETTER OF CONFORMANCE SHALL BE PROVIDED FROM THE SEED VENDOR CERTIFYING THAT EACH CONTAINER OF SEED DELIVERED IS FULLY LABELED IN

THE MECHANICALLY BONDED FIBER MATRIX SHALL BE COMPOSED OF WOOD FIBER, CRIMPED POLYESTER FIBERS, POLYSACCHARIDE CROSSLINKED HYDRO-COLLOID

POLYMER TACKIFIER, AND CONTAIN NO GERMINATION-INHIBITING OR GROWTH-INHIBITING FACTORS. THE MECHANICALLY BONDED FIBER MATRIX SHALL HAVE A

TEMPORARY GREEN DYE AND SHALL NOT HAVE ANY ADVERSE AFFECTS OR BE INJURIOUS TO PLANTS OR ANIMALS. A CERTIFICATE OF COMPLIANCE SHALL BE

PURPOSES. NO CHANGES TO THE SEED MIX OR SUBSTITUTIONS MAY BE MADE WITHOUT FIRST SUBMITTING SUCH A REQUEST, IN WRITING, TO THE OWNER'S

GENUS/SPECIES OF THE SEED, THE PERCENT PURITY, GERMINATION, INERT AND WEED SEED. THE WEED SEED SHALL NOT EXCEED 15 PERCENT. SEED TESTS FOR EACH OF THE SEEDS USED ON THE PROJECT SHALL BE MADE AVAILABLE TO THE OWNER'S REPRESENTATIVE UPON DEMAND. ANY WET, MOLDY, SPROUTED, OR

HYDROSEEDING - TWO STEP APPLICATION

HYDROSEED NOTES:

MECHANICALLY BONDED FIBER MATRIX (3,600 LBS. / ACRE):

FIRST STEP OF TWO STEP PROCESS: THE OPERATOR SHALL SPRAY THE AREA WITH A UNIFORM VISIBLE COAT OF THE REQUIRED SEED, FERTILIZER, AND ORGANIC AMENDMENTS, ALONG WITH 500 LBS/ACRE OF CELLULOSE FIBER AS A VISUAL GUIDE. THE COMBINATION OF SEED, MECHANICALLY BONDED FIBER MATRIX, FERTILIZER, AND WATER SHALL BE ADDED TO THE HYDROSEEDING MACHINE ON-SITE, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE WATER AND MECHANICALLY BONDED FIBER MATRIX SHALL BE ADDED FIRST AND MIXED HOMOGENEOUSLY WITH A BUILT-IN AGITATION SYSTEM UNTIL ALL PRODUCTS ARE VISIBLY MIXED WELL. THE SLURRY MIX SHALL BE DIED GREEN. ONCE PRODUCT IS WELL BLENDED, SEED AND FERTILIZER SHALL BE ADDED AND MIXED UNTIL THE SEED AND FERTILIZER ARE VISIBLE THROUGHOUT THE SLURRY. ONCE THE SEED AND FERITILIZER IS ADDED, THE AGITATION OF THE SLURRY SHOULD BE MINIMAL, SO AS NOT TO DAMAGE THE SEEDS. THE MATERIAL SHOULD THEN BE SPRAYED ONTO THE DESIGNATED PLANTING AREAS, AND CARE SHOULD BE TAKEN TO CLEAN UP ANY OVERSPRAY OR SPILLAGE.

APPLY FROM OPPOSING DIRECTIONS TO SOIL SURFACE, REDUCING THE "SHADOW EFFECT" AND ASSURING COMPLETE SOIL SURFACE COVERAGE. THE SEED AND FERTILIZER SHALL BE APPLIED IN A DOWNWARD DRILLING MOTION VIA A FAN STREAM NOZZLE. THE SPRAY OPERATION MUST BE SO DIRECTED THAT THE FIRST SPRAY APPLICATION CONTAINING THE SEED AND FERTILIZER WILL ALSO PENETRATE THE SOIL SURFACE AS TO DRILL AND MIX THE COMPONENTS INTO THE SOIL, THUS ENSURING MAXIMUM IMPREGNATION AND COVERAGE. DO NOT EXCEED MAXIMUM SLOPE LENGTH OF 100 FEET WHEN SLOPE GRADIENTS ARE STEEPER THAN FOUR TO ONE (4:1).

SECOND AND FINAL STEP OF TWO STEP PROCESS: THE OPERATOR SHALL SPRAY THE AREA WITH A UNIFORM VISIBLE COAT OF MECHANICALLY BONDED FIBER MATRIX USING THE DARK COLOR OF THE CELLULOSE FIBER AS A VISUAL GUIDE AT THE RATE SPECIFIED ON CHART IN SPECIFICATION SECTION 02900 - PART HYDROSEED MATERIALS - PARAGRAPH E. APPLY FROM OPPOSING DIRECTIONS AS TO COVER THE FIRST SEED AND FERTILIZER APPLICATION. THE SLURRY SHALL BE APPLIED WITH A RAIN-LIKE MOTION VIA A FAN STREAM NOZZLE TO ENSURE A CAP LIKE COAT OVER THE SEED AND FERTILIZER. WHEN HYDRAULICALLY SPRAYED ONTO THE SOIL. THE MULCH SHALL NOT FORM A BLOTTER LIKE MATERIAL. THE SPRAY OPERATION MUST BE SO DIRECTED THAT THE SLURRY SPRAY WILL COMPLETELY COVER THE FIRST APPLICATION, THUS ENSURING MAXIMUM IMPREGNATION AND COVERAGE. DO NOT EXCEED MAXIMUM SLOPE LENGTH OF 100 FEET WHEN SLOPE GRADIENTS ARE STEEPER THAN FOUR TO ONE (4:1).

THE COMBINATION OF SEED, MECHANICALLY BONDED FIBER MATRIX, FERTILIZER, AND WATER SHALL BE ADDED TO THE HYDROSEEDING MACHINE ON-SITE, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE WATER AND MECHANICALLY BONDED FIBER MATRIX SHALL BE ADDED FIRST AND MIXED HOMOGENEOUSLY UNTIL ALL PRODUCTS ARE VISIBLY MIXED WELL. ONCE PRODUCT IS WELL BLENDED, SEED AND FERTILIZER SHALL BE ADDED AND MIXED UNTIL THE SEED AND FERTILIZER ARE VISIBLE THROUGHOUT THE SLURRY. ONCE THE SEED AND FERITILIZER IS ADDED, THE AGITATION OF THE SLURRY SHOULD BE MINIMAL, SO AS NOT TO DAMAGE THE SEEDS. THE MATERIAL SHOULD THEN BE SPRAYED ONTO THE DESIGNATED PLANTING AREAS, AND CARE SHOULD BE TAKEN TO CLEAN UP ANY OVERSPRAY OR SPILLAGE.

MAINTENANCE

PERMANENTLY IRRIGATION SLOPES SHALL BE MAINTAINED FOR A PERIOD OF NO LESS THAN 90 DAYS AND SHALL BE MAINTAINED TO AN 80% GERMINATION RATE FOR THE ENTIRE AREA TO BE COVERED.

NON-IRRIGATED AREAS SHALL BE MAINTAINED FOR A PERIOD NOT LESS THAN 25 MONTHS.

ACCORDANCE WITH THE CALIFORNIA STATE AGRICULTURAL CODE AND MEETS SPECIFICATIONS.

PROVIDED BY THE PRODUCT MANUFACTURER TO CERTIFY COMPLIANCE WITH THE SPECIFICATIONS.

ALL HYDROSEEDED AREAS SHALL BE MAINTAINED BY THE PERMITTEE UNTIL FINAL APPROVAL BY THE CLIENT, THE MAINTENANCE PERIOD BEGINS ON THE FIRST DAY FOLLOWING ACCEPTANCE AND MAY BE EXTENDED AT THE DETERMINATION OF THE CITY MANAGER.

PRIOR TO FINAL APPROVAL, THE CLIENT MAY REQUIRE CORRECTIVE ACTION INCLUDING BUT NOT LIMITED TO, REPLANTING, THE PROVISION OR MODIFICATION OF IRRIGATION SYSTEMS, AND THE REPAIR OF ANY SOIL EROSION OR SLOPE SLIPPAGE.

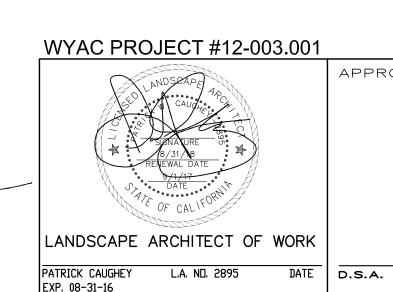
SPECIAL NOTES FOR MIRAMAR COLLEGE: THE FOLLOWING NOTES PROVIDED BY THE DISTRICT FOR CONTRACTOR REFERENCE:

CAUTION:

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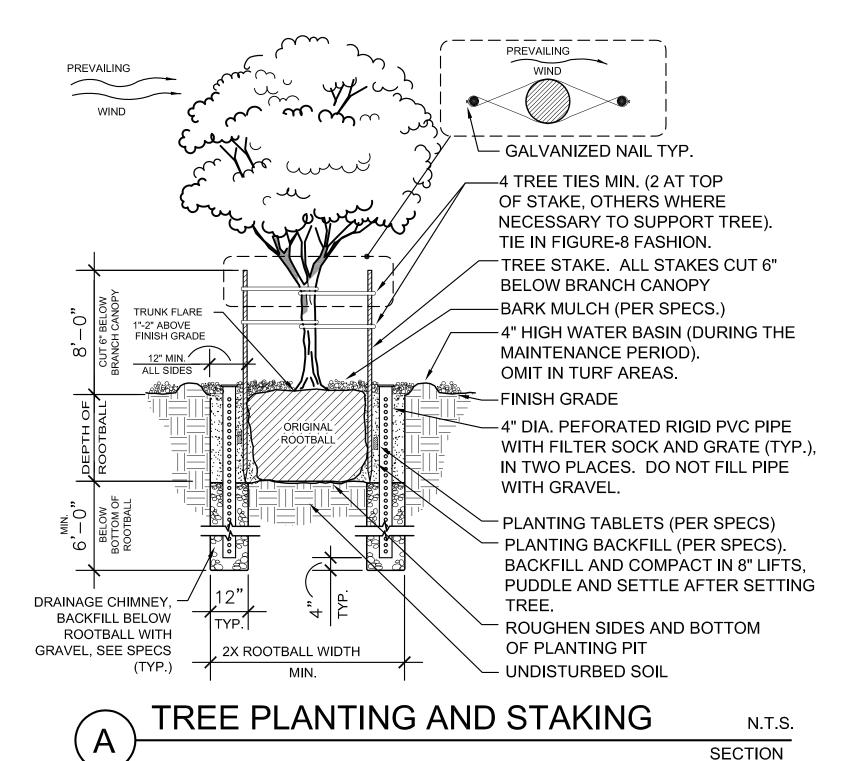
DRAWN PLANTING SCHEDULE AND NOTES CHECKED MIRAMAR COLLEGE INFRASTRUCTURE AND SITE DEVELOPMENT PHASE II (SOUTH) REVISION

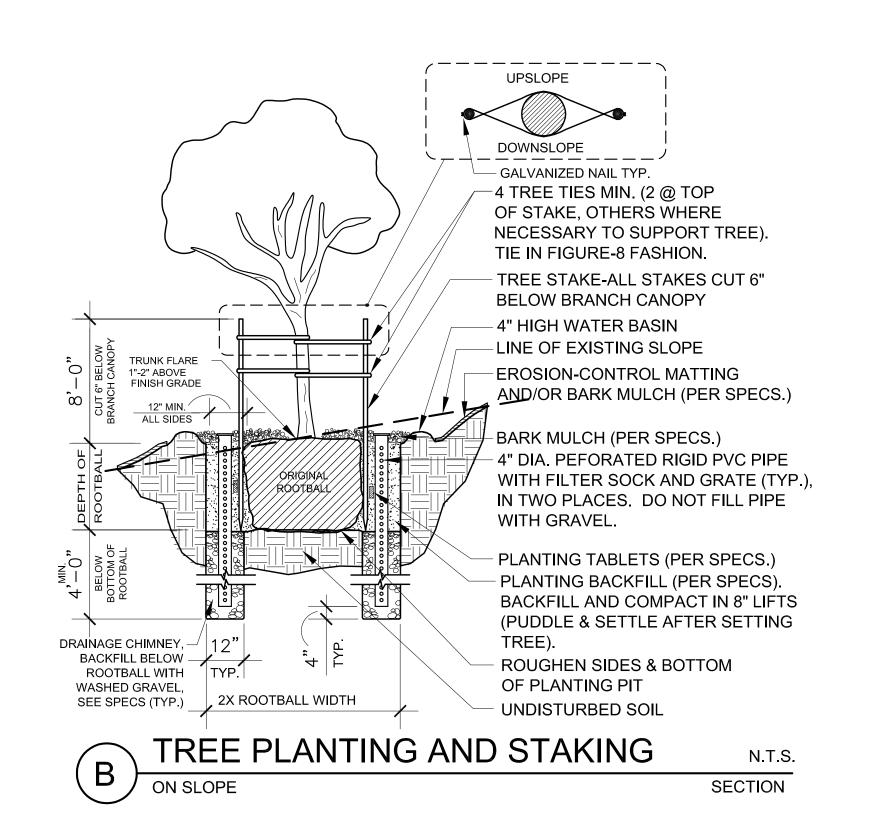
SCOPE "B" SAN DIEGO COMMUNITY COLLEGE DISTRICT

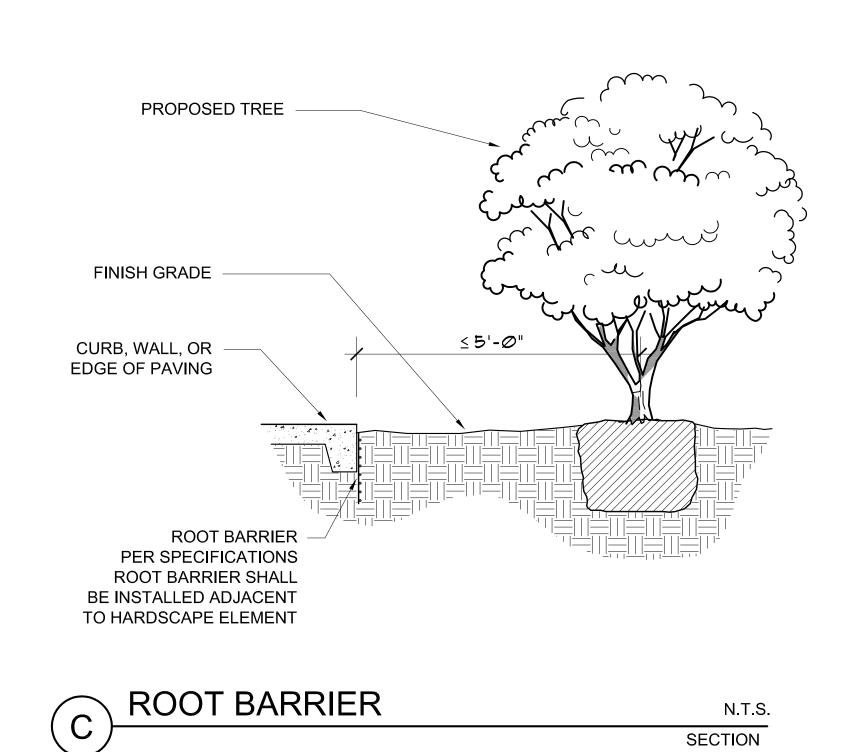
SHEET LP-2.1

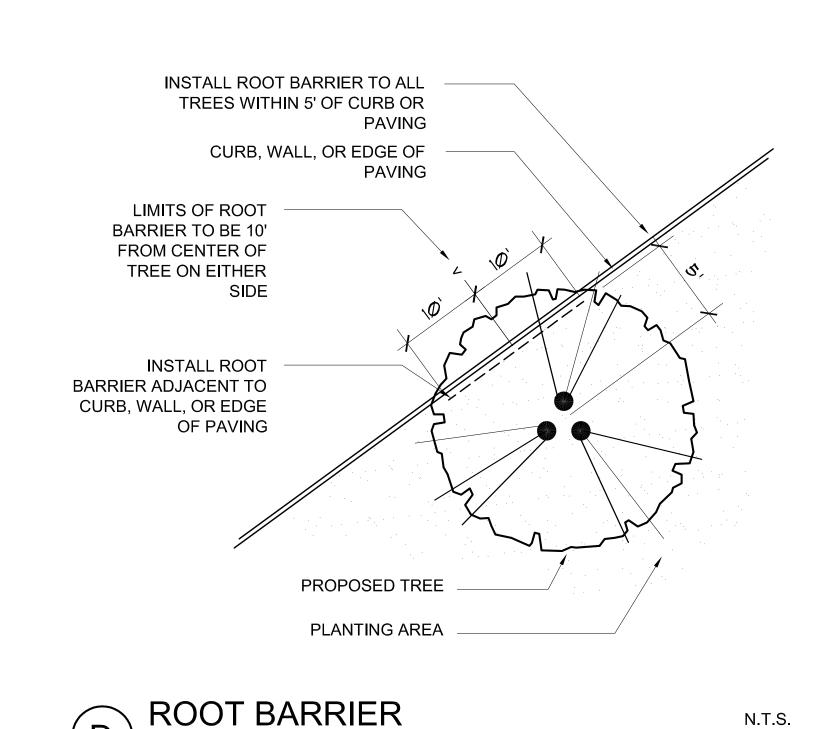
SEPTEMBER 1, 20

of **44**





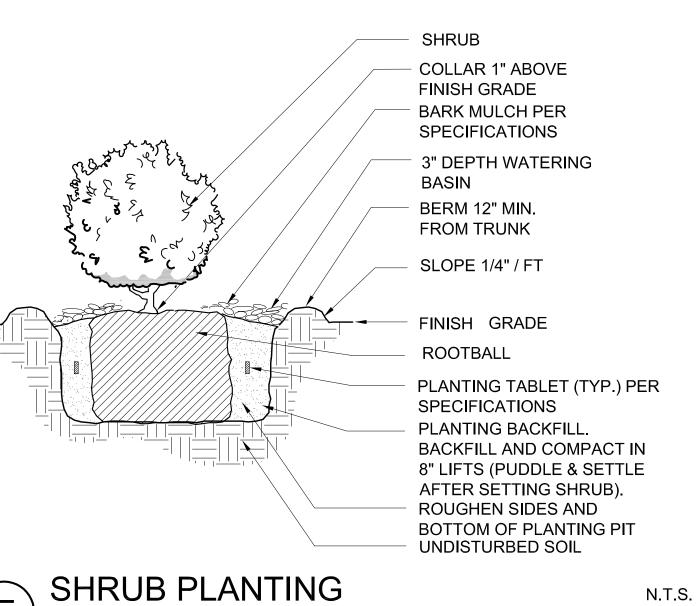




PLAN



SECTION



MINIMUM PLANTING PIT SIZING

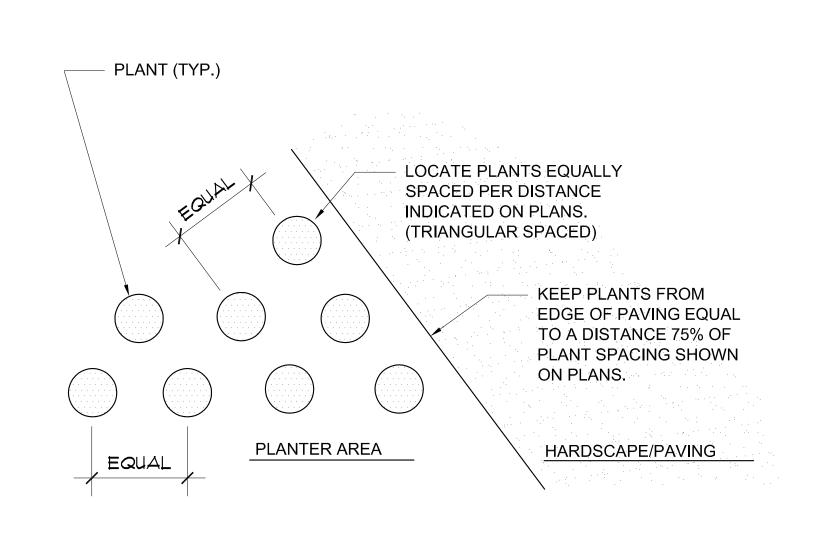
18" DIAMETER 24" DIAMETER

30" DIAMETER

1 GAL. CONTAINER 5 GAL. CONTAINER

15 GAL. CONTAINER

MINIMUM PLANTING PIT WIDTHS 18" DIAMETER24" DIAMETER 1 GAL. CONTAINER 5 GAL. CONTAINER 15 GAL. CONTAINER - 30" DIAMETER BERM FIRMLY COMPACTED, 12" SHRUB MIN. AWAY FROM TRUNK ON ALL ROOT FLARE 1" ABOVE SURROUNDING FINISH LINE OF ORIGINAL GRADE SLOPE MULCH PER DRAWINGS AND NEW UPHILL SLOPE SPECIFICATIONS 3" DEPTH WATERING BASIN PROVIDE EROSION CONTROL FABRIC ON SLOPED AREAS 3:1 GRADIENT OR GREATER PLANTING TABLET (TYP.) PER SPECIFICATIONS ROUGHEN SIDES AND **BOTTOM OF PLANTING PIT** PLANTING BACKFILL. UNDISTURBED SOIL BACKFILL AND COMPACT IN 8" LIFTS, PUDDLE AND SETTLE AFTER SETTING SHRUB. SHRUB PLANTING N.T.S. SECTION ON SLOPE



N.T.S.

PLAN

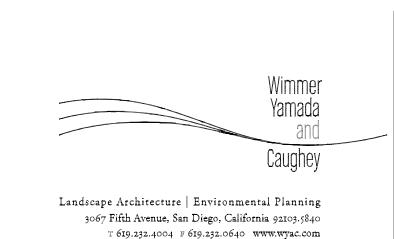
G PLANT MATERIAL SPACING

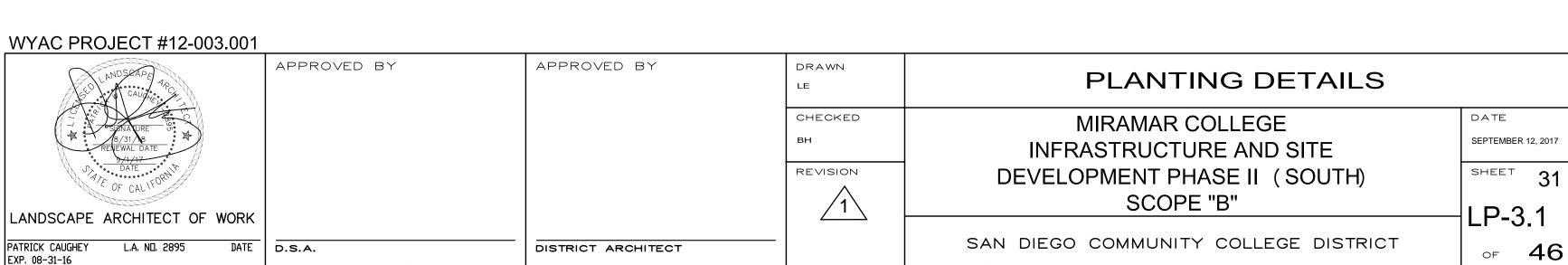
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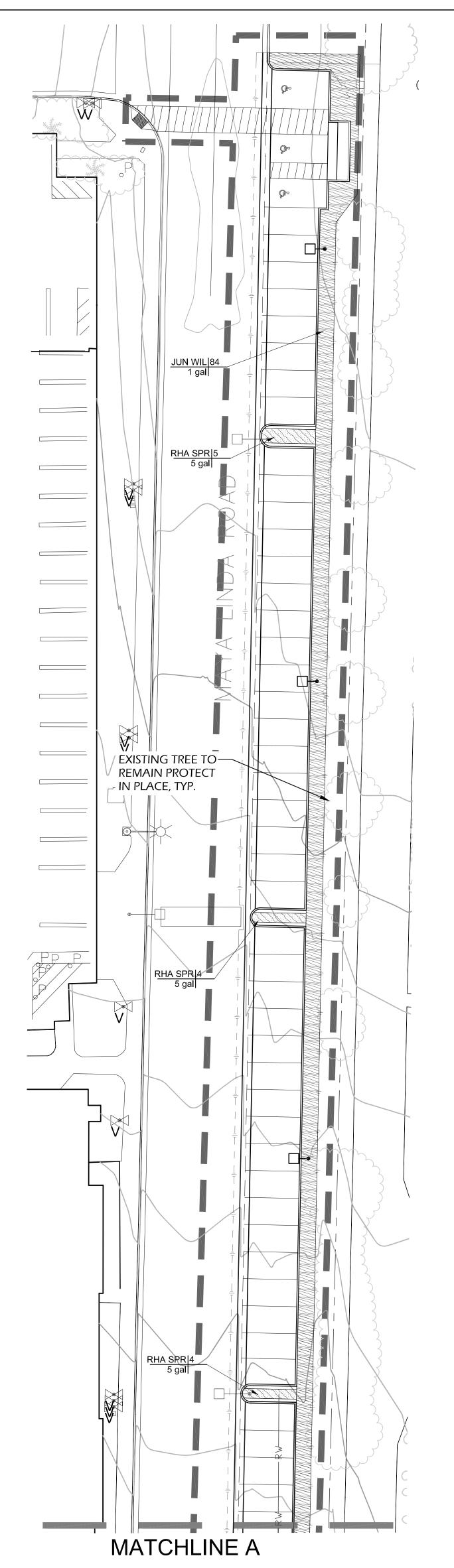
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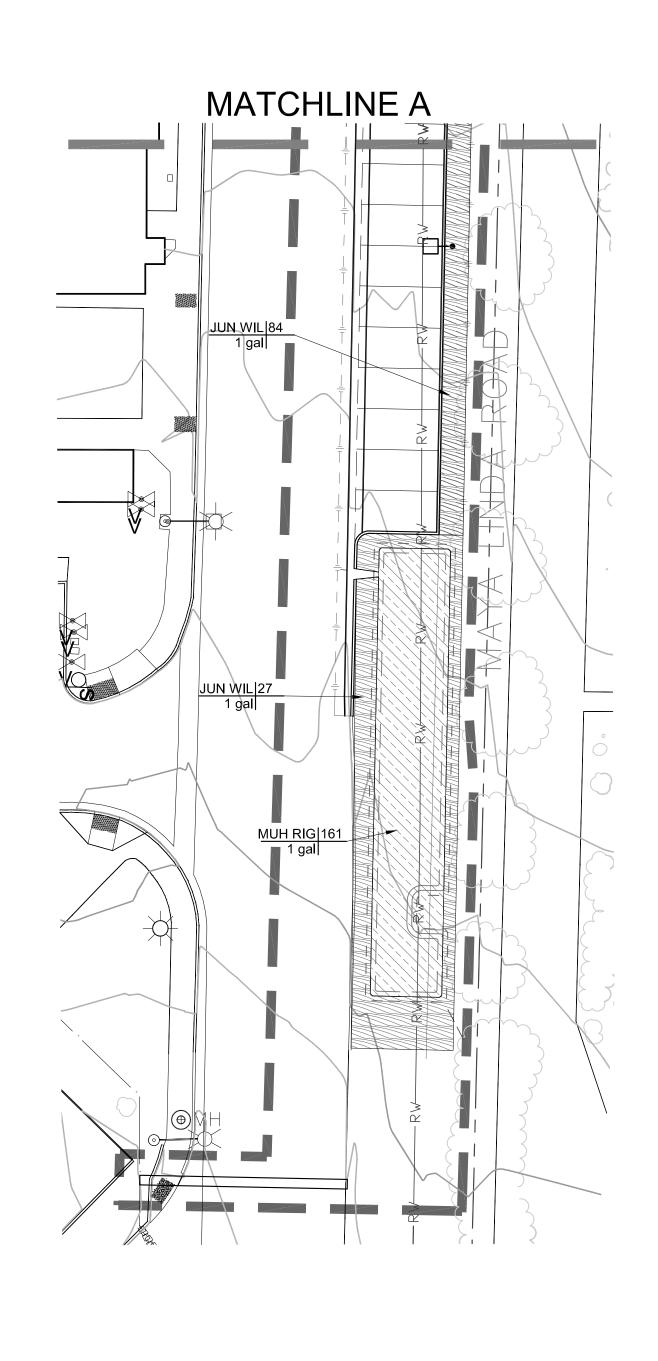
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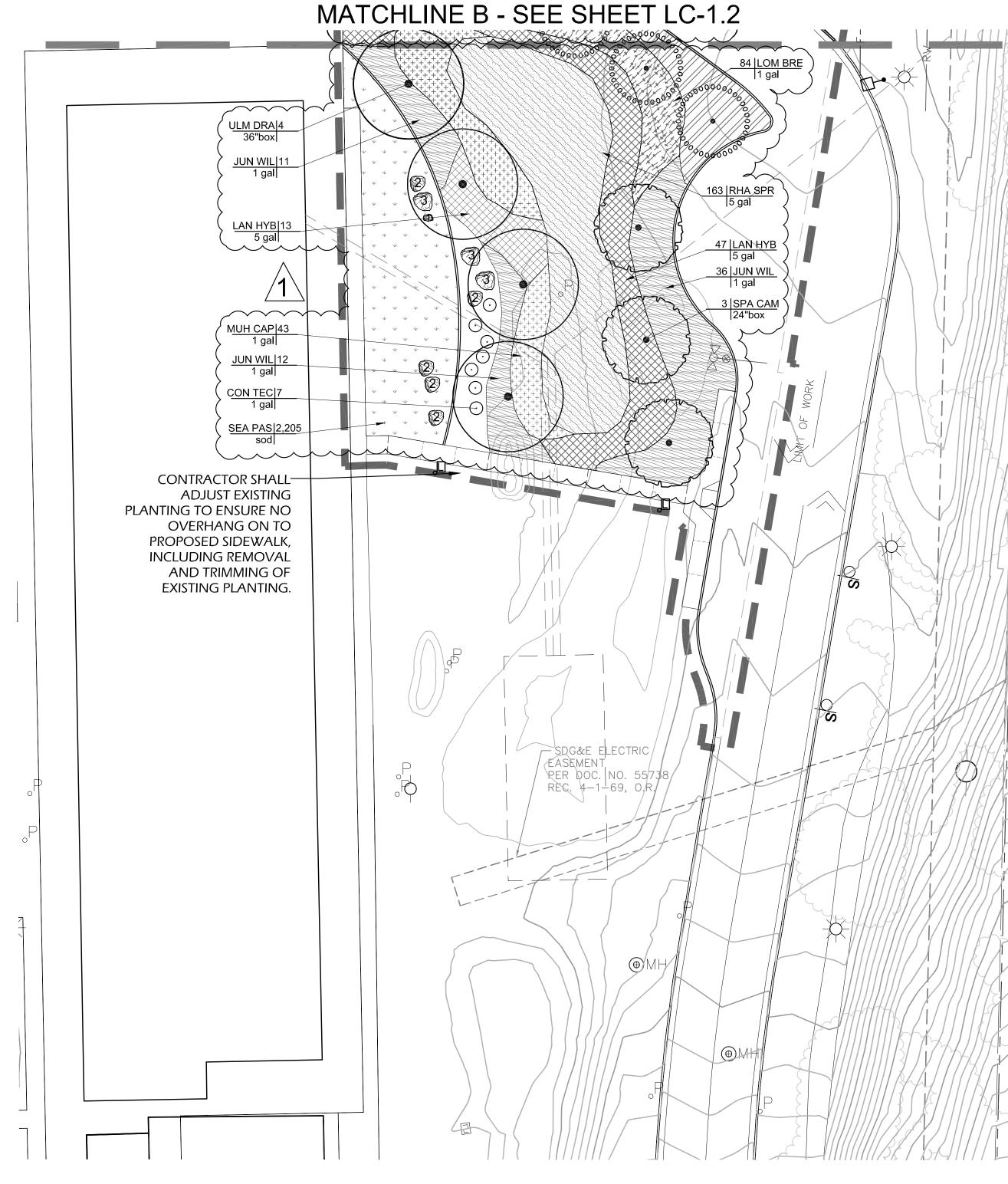
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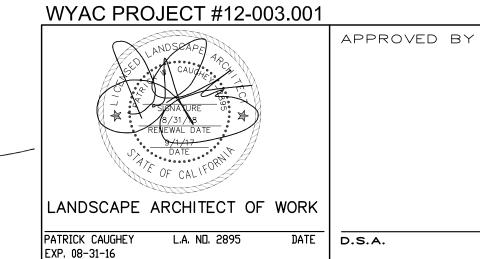
SEE SHEET LP-2.1 FOR COMPLETE PLANT SCHEDULE AND NOTES. SEE SHEET LP-3.1 FOR PLANTING DETAILS

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LP-3.2 FOR PLANTING DETAILS.





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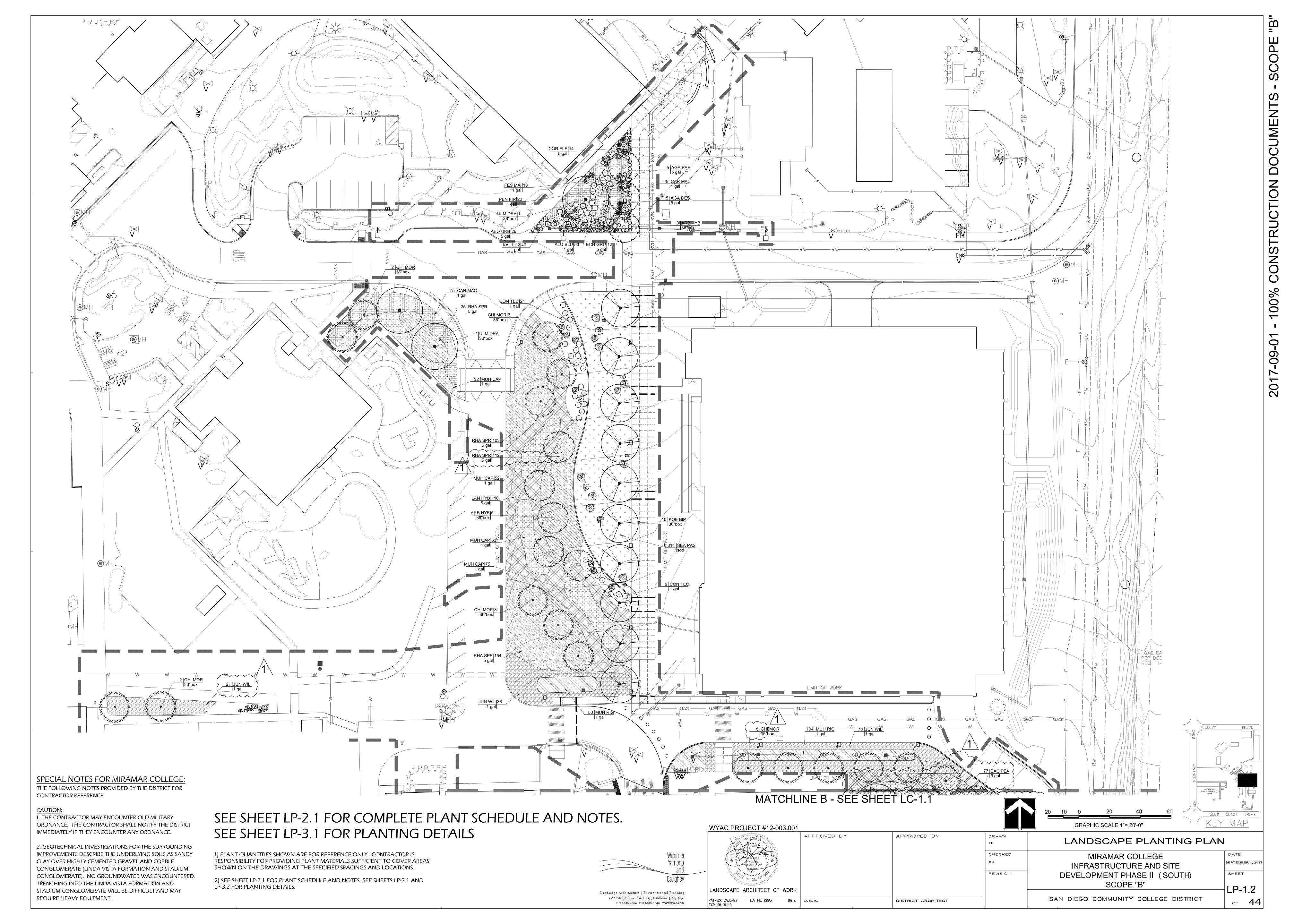
DISTRICT ARCHITECT

DRAWN

MIRAMAR COLLEGE CHECKED REVISION SCOPE "B"

SEPTEMBER 1, 201 INFRASTRUCTURE AND SITE DEVELOPMENT PHASE II (SOUTH) SHEET LP-1.1 SAN DIEGO COMMUNITY COLLEGE DISTRICT of **44**

GRAPHIC SCALE 1"= 20'-0" LANDSCAPE PLANTING PLAN



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PLANT SCHEDULE CODE BOTANICAL NAME COMMON NAME <u>CONT</u> <u>DETAIL</u> ARB HYB ARBUTUS X `MARINA` ARBUTUS STANDARD A,B/LP-3.1 36"BOX KOE BIP PISTACIA CHINENSIS CHINESE PISTACHE A,B/LP-3.1 ULM DRA ULMUS PARVIFOLIA DRAKE ELM A,B/LP-3.1 CHI MOR X CHITALPA TASHKENTENSIS MORNING CLOUD CHITALPA 36"BOX A,B/LP-3.1 SPA CAM SPATHODEA CAMPANULATA AFRICAN TULIP TREE A,B/LP-3.1 CODE BOTANICAL NAME COMMON NAME <u>CONT</u> <u>DETAIL</u> AEO URB AEONIUM URBICUM SAUCER PLANT 5 GAL E,F/LP-3.1 AGA DES AGAVE DESMETTIANA VARIEGATED DWARF AGAVE 5 GAL E,F/LP-3.1 AGA PAR AGAVE PARRYI VAR 5 GAL E,F/LP-3.1 ARTICHOKE AGAVE TRUNCATA OCOTPUS AGAVE 5 GAL E,F/LP-3.1 AGA VI2 AGAVE VILMORINIANA E,F/LP-3.1 ALO BLU ALOE "BLUE ELF" BLUE ELF ALOE CON TEC CHONDROPETALUM TECTORUM CAPE RUSH 1 GAL E,F/LP-3.1 ELECTRIC PINK CORDYLINE E,F/LP-3.1 COR ELE CORDYLINE "ELECTRIC PINK" ECH GRU ECHINOCACTUS GRUSONII GOLDEN BARREL CACTUS 5 GAL E,F/LP-3.1 FES MAI FESTUCA MAIREI ATLAS FESCUE 1 GAL E,F/LP-3.1 KAL LU2 KALANCHOE LUCIAE PADDLE PLANT 1 GAL E,F/LP-3.1 PENNISETUM SETACEUM VARIEGATED DWARF PURPLE 1 GAL RUBRUM FIREWORKS FOUNTAIN GRASS SHRUB AREAS CODE BOTANICAL NAME **COMMON NAME** SPACING DETAIL 72" o.c. LAN HYB LANTANA X 'MONET' SPREADING SUNSET LANTANA 5 GAL E,F,G/LP-3.1 LOM BRE LOMANDRA LONGIFOLIA 'BREEZE' DWARF MAT RUSH 1 GAL 36" o.c. E,F,G/LP-3.1 MUH CAP MUHLENBERGIA CAPILLARIS 1 GAL 36" o.c. E,F,G/LP-3.1 REGAL MIST MUHLY `REGAL MIST` MUH RIG MUHLENBERGIA RIGENS 36" o.c. DEER GRASS E,F,G/LP-3.1 1 GAL RHA SPR RHAPHIOLEPIS INDICA SPRINGTIME INDIAN E,F,G/LP-3.1 5 GAL 48" o.c. 'SPRINGTIME' HAWTHORNE GROUND COVERS CODE BOTANICAL NAME COMMON NAME SPACING DETAIL <u>CONT</u> 48" o.c. CAR MAC CARISSA MACROCARPA DWARF NATAL PLUM E,F,G/LP-3.1 1 GAL 'GREEN CARPET' HYD MIX HYDROSEED MIX HYDROSEED JUN WIL JUNIPERUS HORIZONTALIS BLUE RUG JUNIPER E,F,G/LP-3.1 72" o.c. **WILTONII** SEA PAS PASPALUM VAGINATUM SEA SPRAY SEASHORE SOD E,F,G/LP-3.1 'SEA SPRAY' SODDED TURF

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15. THE PLANTING PLANS ARE DIAGRAMMATIC. PLANT MATERIALS SHALL BE SPOTTED APPROXIMATELY AS SHOWN ON THE DRAWINGS. TREE LOCATIONS ARE TO BE APPROVED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO EXCAVATION FOR PLANTING PITS AND REMOVAL FROM CONTAINERS. FINAL LAYOUT OF ALL OTHER PLANT MATERIALS SHALL BE APPROVED IN THE FIELD BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.

16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON THE DRAWINGS AT THE SPECIFIED SPACINGS.

17. CONTRACTOR SHALL SUBMIT AN AGRICULTURAL SUITABILITY AND FERTILITY ANALYSIS REPORT (SOILS ANALYSIS REPORT FROM REPRESENTATIVE ON-SITE SOIL SAMPLES - SEE SPECIFICATIONS) TO THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ANY PLANTING WORK OR SOIL AMENDMENT INCORPORATION. THE RECOMMENDATIONS OF THE SOILS ANALYSIS REPORT FOR TOPSOIL AMENDMENT AND BACKFILL MIX AMENDMENT SHALL SUPERSEDE THE RECOMMENDATIONS LISTED IN THE SPECIFICATIONS.

18. CONTRACTOR SHALL COORDINATE PLANTING WORK WITH THE WORK OF OTHER TRADES AND PROFESSIONS. CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE DURING THE COURSE OF CONSTRUCTION.

19. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF EXISTING PROPOSED UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY BE AFFECTED BY INSTALLATION. IMMEDIATELY CONTACT THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT IF A CONFLICT IS EVIDENT.

20. REMOVE ALL TYING MATERIALS, MARKING TAPES, AND NURSERY STAKES AT THE TIME OF PLANTING.

21. CONTRACTOR SHALL INSTALL A THREE-INCH (3") LAYER OF BARK MULCH IN ALL SHRUB AND GROUNDCOVER AREAS WITH SLOPES SHALLOWER THAN THREE-TO-ONE (3:1) GRADIENT.

22. CONTRACTOR SHALL INSTALL EROSION CONTROL MATTING ON ALL SLOPES GREATER THAN TWO-TO-ONE (2:1) GRADIENT.

23. CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN AND OTHER IMPROVEMENTS WITHIN AND OUTSIDE THE LIMITS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGES INCURRED.

24. THE MAINTENANCE PERIOD SHALL BEGIN ONLY UPON WRITTEN ACCEPTANCE OF THE COMPLETED PLANTED AREAS BY THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.

HYDROSEED NOTES:

SEED SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS. EACH CONTAINER SHALL HAVE AN ATTACHED SEED LABEL WHICH PROVIDES THE NET WEIGHT AND GENUS/SPECIES OF THE SEED, THE PERCENT PURITY, GERMINATION, INERT AND WEED SEED. THE WEED SEED SHALL NOT EXCEED 15 PERCENT. SEED TESTS FOR EACH OF THE SEEDS USED ON THE PROJECT SHALL BE MADE AVAILABLE TO THE OWNER'S REPRESENTATIVE UPON DEMAND. ANY WET, MOLDY, SPROUTED, OR OTHERWISE CONTAMINATED SEED SHALL NOT BE ACCEPTED. THE OWNER'S REPRESENTATIVE MAY PULL SAMPLES FROM EACH OF THE BAGS OF SEED FOR TESTING PURPOSES. NO CHANGES TO THE SEED MIX OR SUBSTITUTIONS MAY BE MADE WITHOUT FIRST SUBMITTING SUCH A REQUEST, IN WRITING, TO THE OWNER'S REPRESENTATIVE.

A SIGNED LETTER OF CONFORMANCE SHALL BE PROVIDED FROM THE SEED VENDOR CERTIFYING THAT EACH CONTAINER OF SEED DELIVERED IS FULLY LABELED IN ACCORDANCE WITH THE CALIFORNIA STATE AGRICULTURAL CODE AND MEETS SPECIFICATIONS.

MECHANICALLY BONDED FIBER MATRIX (3,600 LBS. / ACRE):

THE MECHANICALLY BONDED FIBER MATRIX SHALL BE COMPOSED OF WOOD FIBER, CRIMPED POLYESTER FIBERS, POLYSACCHARIDE CROSSLINKED HYDRO-COLLOID POLYMER TACKIFIER, AND CONTAIN NO GERMINATION-INHIBITING OR GROWTH-INHIBITING FACTORS. THE MECHANICALLY BONDED FIBER MATRIX SHALL HAVE A TEMPORARY GREEN DYE AND SHALL NOT HAVE ANY ADVERSE AFFECTS OR BE INJURIOUS TO PLANTS OR ANIMALS. A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED BY THE PRODUCT MANUFACTURER TO CERTIFY COMPLIANCE WITH THE SPECIFICATIONS.

AMENDMENTS:

ANY SPECIFIED SOIL AMENDMENTS MUST BE APPLIED PRIOR TO THE HYDROSEEDING APPLICATION. IF THE AMENDMENT IS TO BE INCORPORATED INTO THE SEEDBED, IT MUST BE DONE IN SUCH A MANNER TO DISPERSE THE AMENDMENT EVENLY THROUGHOUT THE PLANTING AREA. ALL SOIL AMENDMENTS MUST BE APPLIED AT THE RATES SHOWN IN THE SPECIFICATIONS, AND AS SPECIFIED ON THE SOILS ANALYSIS REPORT(S). ANY DEVIATIONS FROM THESE NEEDS TO BE APPROVED BY THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO MAKING ANY SUCH CHANGES.

HYDROSEEDING - TWO STEP APPLICATION

FIRST STEP OF TWO STEP PROCESS: THE OPERATOR SHALL SPRAY THE AREA WITH A UNIFORM VISIBLE COAT OF THE REQUIRED SEED, FERTILIZER, AND ORGANIC AMENDMENTS, ALONG WITH 500 LBS/ACRE OF CELLULOSE FIBER AS A VISUAL GUIDE. THE COMBINATION OF SEED, MECHANICALLY BONDED FIBER MATRIX, FERTILIZER, AND WATER SHALL BE ADDED TO THE HYDROSEEDING MACHINE ON-SITE, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE WATER AND MECHANICALLY BONDED FIBER MATRIX SHALL BE ADDED FIRST AND MIXED HOMOGENEOUSLY WITH A BUILT-IN AGITATION SYSTEM UNTIL ALL PRODUCTS ARE VISIBLY MIXED WELL. THE SLURRY MIX SHALL BE DIED GREEN. ONCE PRODUCT IS WELL BLENDED, SEED AND FERTILIZER SHALL BE ADDED AND MIXED UNTIL THE SEED AND FERTILIZER ARE VISIBLE THROUGHOUT THE SLURRY. ONCE THE SEED AND FERITILIZER IS ADDED, THE AGITATION OF THE SLURRY SHOULD BE MINIMAL, SO AS NOT TO DAMAGE THE SEEDS. THE MATERIAL SHOULD THEN BE SPRAYED ONTO THE DESIGNATED PLANTING AREAS, AND CARE SHOULD BE TAKEN TO CLEAN UP ANY OVERSPRAY OR SPILLAGE.

APPLY FROM OPPOSING DIRECTIONS TO SOIL SURFACE, REDUCING THE "SHADOW EFFECT" AND ASSURING COMPLETE SOIL SURFACE COVERAGE. THE SEED AND FERTILIZER SHALL BE APPLIED IN A DOWNWARD DRILLING MOTION VIA A FAN STREAM NOZZLE. THE SPRAY OPERATION MUST BE SO DIRECTED THAT THE FIRST SPRAY APPLICATION CONTAINING THE SEED AND FERTILIZER WILL ALSO PENETRATE THE SOIL SURFACE AS TO DRILL AND MIX THE COMPONENTS INTO THE SOIL, THUS ENSURING MAXIMUM IMPREGNATION AND COVERAGE. DO NOT EXCEED MAXIMUM SLOPE LENGTH OF 100 FEET WHEN SLOPE GRADIENTS ARE STEEPER THAN FOUR TO ONE (4:1).

SECOND AND FINAL STEP OF TWO STEP PROCESS: THE OPERATOR SHALL SPRAY THE AREA WITH A UNIFORM VISIBLE COAT OF MECHANICALLY BONDED FIBER MATRIX USING THE DARK COLOR OF THE CELLULOSE FIBER AS A VISUAL GUIDE AT THE RATE SPECIFIED ON CHART IN SPECIFICATION SECTION 02900 - PART HYDROSEED MATERIALS - PARAGRAPH E. APPLY FROM OPPOSING DIRECTIONS AS TO COVER THE FIRST SEED AND FERTILIZER APPLICATION. THE SLURRY SHALL BE APPLIED WITH A RAIN-LIKE MOTION VIA A FAN STREAM NOZZLE TO ENSURE A CAP LIKE COAT OVER THE SEED AND FERTILIZER. WHEN HYDRAULICALLY SPRAYED ONTO THE SOIL. THE MULCH SHALL NOT FORM A BLOTTER LIKE MATERIAL. THE SPRAY OPERATION MUST BE SO DIRECTED THAT THE SLURRY SPRAY WILL COMPLETELY COVER THE FIRST APPLICATION, THUS ENSURING MAXIMUM IMPREGNATION AND COVERAGE. DO NOT EXCEED MAXIMUM SLOPE LENGTH OF 100 FEET WHEN SLOPE GRADIENTS ARE STEEPER THAN FOUR TO ONE (4:1).

THE COMBINATION OF SEED, MECHANICALLY BONDED FIBER MATRIX, FERTILIZER, AND WATER SHALL BE ADDED TO THE HYDROSEEDING MACHINE ON-SITE, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE WATER AND MECHANICALLY BONDED FIBER MATRIX SHALL BE ADDED FIRST AND MIXED HOMOGENEOUSLY UNTIL ALL PRODUCTS ARE VISIBLY MIXED WELL. ONCE PRODUCT IS WELL BLENDED. SEED AND FERTILIZER SHALL BE ADDED AND MIXED UNTIL THE SEED AND FERTILIZER ARE VISIBLE THROUGHOUT THE SLURRY. ONCE THE SEED AND FERITILIZER IS ADDED, THE AGITATION OF THE SLURRY SHOULD BE MINIMAL, SO AS NOT TO DAMAGE THE SEEDS. THE MATERIAL SHOULD THEN BE SPRAYED ONTO THE DESIGNATED PLANTING AREAS, AND CARE SHOULD BE TAKEN TO CLEAN UP ANY OVERSPRAY OR SPILLAGE.

MAINTENANCE

PERMANENTLY IRRIGATION SLOPES SHALL BE MAINTAINED FOR A PERIOD OF NO LESS THAN 90 DAYS AND SHALL BE MAINTAINED TO AN 80% GERMINATION RATE FOR THE ENTIRE AREA TO BE COVERED.

NON-IRRIGATED AREAS SHALL BE MAINTAINED FOR A PERIOD NOT LESS THAN 25 MONTHS.

ALL HYDROSEEDED AREAS SHALL BE MAINTAINED BY THE PERMITTEE UNTIL FINAL APPROVAL BY THE CLIENT, THE MAINTENANCE PERIOD BEGINS ON THE FIRST DAY FOLLOWING ACCEPTANCE AND MAY BE EXTENDED AT THE DETERMINATION OF THE CITY MANAGER.

PRIOR TO FINAL APPROVAL, THE CLIENT MAY REQUIRE CORRECTIVE ACTION INCLUDING BUT NOT LIMITED TO. REPLANTING. THE PROVISION OR MODIFICATION OF IRRIGATION SYSTEMS, AND THE REPAIR OF ANY SOIL EROSION OR SLOPE SLIPPAGE.

