SOCIETY TURN PARCEL

SAN MIGUEL COUNTY, COLORADO



PROJECT DIRECTORY PLANNER / ARCHITECT

CCY ARCHITECTS, LTD. P.O.BOX 529 228 MIDLAND AVENUE BASALT, CO. 81621 970-927-4925 CONTACT: CHRIS TOUCHETTE, AIA

LANDSCAPE ARCHITECT

NORRIS DESIGN 409 E. MAIN ST, STE. 207 FRISCO, CO 80443 970-368-7068 **CONTACT: ELENA SCOTT**

SOILS/ GEOTECH.

BUCKHORN ENGINEERING, INC. 222 SOUTH PARK AVENUE MONTROSE, CO 81401 970-249-6828 CONTACT: LAURIE BRANDT, CPG

CIVIL ENGINEER

307 E. COLORADO AVE, STE. 203

TELLURIDE, CO 81435

970-728-2424 CONTACT: TOM KENNEDY

THE LAW OFFICES OF THOMAS G. KENNEDY

LEGAL

BUCKHORN ENGINEERING, INC. MONTROSE, CO 81401 970-249-6828 CONTACT: DANIEL QUIGLEY, P.E.

TRAFFIC ENGINEER

SGM INC. 118 W. 6TH ST, STE. 200 GLENWOOD SPRINGS, CO 81601 970-945-1004 CONTACT: DAN COKLEY, P.E.

GENERAL NOTES

DISCREPANCIES WITH THE ARCHITECT.

K. CONTRACTOR WILL ASSUME RESPONSIBILITY OF ITEMS REQUIRING

COORDINATION AND RESOLUTION DURING THE BIDDING PROCESS. O. ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST

PUD-R MXD

PROJECT INFORMATION

SHEET INDEX

ARCHITECTURAL SHEET INDEX

CONSTRAINTS MAP

ILLUSTRATIVE PLAN SITE PLAN SCENIC CORRIDOR PLAN LAND USE MAP PHASE 1 MAP PHASE 2 MAP PHASE 3 MAP FOUR STORY MAP PARKING PLAN SITE SECTION A12 VIEW SIMULATION A13 VIEW SIMULATION 2 VIEW SIMULATION 3

ILLUSTRATIVE LANDSCAPE PLAN ILLUSTRATIVE DETAILS LANDSCAPE NOTES L-1.1 LANDSCAPE SCHEDULES L-1.2 MATERIAL & AMENITY SCHEDULES L-1.3 OVERALL PLAN L-2.0 LANDSCAPE PLAN L-2.1 LANDSCAPE PLAN L-2.2 LANDSCAPE PLAN L-2.3 LANDSCAPE PLAN L-2.4 LANDSCAPE PLAN L-2.5 LANDSCAPE PLAN LANDSCAPE DETAILS **IRRIGATION NOTES** LI-1.1 OVERALL IRRIGATION PLAN LI-2.0 IRRIGATION PLAN LI-2.1 **IRRIGATION PLAN** LI-2.2 **IRRIGATION PLAN** LI-2.3 **IRRIGATION PLAN** LI-2.4 **IRRIGATION PLAN**

LIGHTING SHEET INDEX

SITE LIGHTING CALCULATIONS AND GENERAL INFORMATION SITE LIGHTING CALCULATIONS AND GENERAL INFORMATION

LANDSCAPE SHEET INDEX

LI-3.0 PUMP STATION DETAIL LI-3.1

LI-3.2

IRRIGATION DETAILS IRRIGATION DETAILS

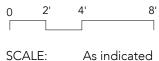
10.21.22 **ISSUE:** PRELIMINARY PLAN SITE LIGHTING CALCULATIONS AND GENERAL INFORMATION SUBMITTAL **PROJECT NUMBER:**

HISTORY:

DATE:

REV# | DATE | DESCRIPTION

COVER SHEET



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ABBREVIATIONS

CARPET

WOOD BLOCKING

GLU-LAM WOOD

RIGID INSULATION

PARTICLE BOARD OR

ATTIC ACCESS DOOR HARDWARE HOR HORIZONTAL ABOVE FINISHED FLOOR HVAC HIGHWAY INTERNATIONAL BUILDING CODE INTERGRATED COLOR PLASTER INSIDE DIAMETER INTERIOR INSULATION INTERNATIONAL RESIDENTIAL JOINT LAMINATE LAVATORY MAXIMUM U.N.O. CONSTRUCTION JOINT MEDICINE CABINET MECH MECHANICAL MANUFACTURER UNFIN MINIMUM CONCRETE MASONRY UNI MISCELLANEOUS MASONRY OPENING NOT APPLICABLE

NOT IN CONTRACT

OUTSIDE DIAMETER

PREFINISHED SHEET METAL

ROUND HEAD SHEET METAL

NOT TO SCALE

OPPOSITE HAND

RADIUS OR RISER

REFRIGERATOR

ROUGH OPENING

SLOPE TO DRAIN

SPECIFICATION

ROOF WINDOW

SANITARY

SECTION

SEWER

SHELVES

REINFORCE

OPPOSITE

PLYWOOD

PRODUCT

PFSM

REFR

REINF

REQ'D

S.T.D.

SECT

PERFORATED

ON CENTER

STEEL

ALUMINUM OR SHEET

BATT INSULATION

GYP. WALL BOARD/

STUCCO/ PLASTER

ADDENDUM

AGGREGATE

ALTERNATIVE

AREA OF REFUGE

ARCHITECTURAL

ASSEMBLY

BETWEEN

CENTERLINE

CONCRETE

CONTINUOUS

DIMENSION

DAMPPROOFING

DOWNSPOUT

EXPANSION JOIN

DRAWING

ELEVATION

EXISTING

EXTERIOR

FOOTING

GALVANIZED

GLU-LAM BEAM

HEAVY TIMBER

GYPSUM WALLBOARD

FINISH FLOOR

FLOOR DRAIN

FOUNDATION

FIRE EXTINGUISHE

FACE OF CONCRETE

GENERAL CONTRACTOR

CLOSET

BOTTOM OF

ADJACENT

PLYWOOD

AOR

CLOS CLR

CONT

FE CABT

SOUND TRANSMISSION CLASS STANDARD STRUCT STRUCTURE(AL) SUPPLEMENT(AL) SUSPEND(ED) TOP AND BOTTOM TOUNGE AND GROOVE TOP OF TELEPHONE TEMPERED THICK TOILET PAPER HOLDEI TUBE STEEL TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNIFORM BUILDING CODE UNDERGROUND UNFINISHED UNITED STATES GAUGE VERIFY IN FIELD VENTILATE(D) VERTICAL GRAIN WOOD

A. THE AIA DOCUMENT 201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", LATEST EDITION, ARE HEREBY MADE A PART OF THESE CONTRACT DOCUMENTS. COPIES ARE ON FILE AND ARE AVAILABLE FOR

SURVEYOR

TELLURIDE, CO 81435

970-318-6987

BULSON SURVEYING

CONTACT: DAVID BULSON

555 RIVERGATE LN, STE. B4-82

CONTACT: ALEXANDER NEES

DURANGO, CO 81301

970-385-2340

INSPECTION AT THE OFFICES OF THE ARCHITECT B. THE CONTRACT DOCUMENTS CONSIST OF THE AGREEMENT, THE GENERAL NOTES, THE SPECIFICATION/ DETAIL BOOK, AND THE DRAWINGS, WHICH ARE COOPERATIVE AND CONTINUOUS. WORK INDICATED OR REASONABLY IMPLIED IN ANY ONE OF THE DOCUMENTS SHALL BE SUPPLIED AS THOUGH FULLY COVERED IN ALL. ANY DISCREPANCY BETWEEN THE DIFFERENT PARTS SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY.

WETLAND & WILDLIFE CONSULTANT

- C. ALL WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ORDINANCES, AND SHALL BE PERFORMED TO THE HIGHEST STANDARDS OF CRAFTSMANSHIP BY JOURNEYMEN OF THE APPROPRIATE TRADES.
- D. THESE DOCUMENTS ARE INTENDED TO INCLUDE ALL LABOR, MATERIALS EQUIPMENT AND SERVICES REQUIRED TO COMPLETE ALL WORK DESCRIBED HEREIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRING TO THE ATTENTION OF THE ARCHITECT ANY CONDITIONS WHICH WILL NOT PERMIT CONSTRUCTION ACCORDING TO THE INTENTIONS OF THESE DOCUMENTS. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO PROVIDE DETAILS AND/OR DIRECTIONS REGARDING DESIGN INTENT WHERE IT IS ALTERED BY EXISTING CONDITIONS OR WHERE NEGLECTED IN THE DOCUMENTS.
- ANY MATERIALS PROPOSED FOR SUBSTITUTION OF THOSE SPECIFIED, OR CALLED OUT BY TRADE NAME, IN THESE DOCUMENTS SHALL BE PRESENTED TO THE ARCHITECT FOR REVIEW. THE CONTRACTOR SHALL SUBMIT SAMPLES WHEN REQUIRED BY THE ARCHITECT, AND ALL SUCH SAMPLES SHALL BE REVIEWED BY THE ARCHITECT BEFORE THE WORK IS PERFORMED. WORK MUST CONFORM TO THE REVIEWED SAMPLES. ANY WORK WHICH DOES NOT CONFORM SHALL BE REMOVED AND REPLACED WITH WORK WHICH CONFORMS AT THE CONTRACTOR'S EXPENSE. SUBCONTRACTORS SHALL SUBMIT REQUESTS AND SAMPLES FOR REVIEW THROUGH THE GENERAL CONTRACTOR WHEN WORK IS LET THROUGH HIM OR HER. REQUIRED VERIFICATIONS AND SUBMITTALS TO BE
- MADE IN ADEQUATE TIME AS NOT TO DELAY WORK IN PROGRESS. F. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS OR HER REVIEW WHERE CALLED FOR ANYWHERE IN THESE DOCUMENTS. REVIEW SHALL BE MADE BY THE ARCHITECT BEFORE WORK IS BEGUN, AND WORK SHALL CONFORM TO THE REVIEWED SHOP DRAWINGS, SUBJECT TO REPLACEMENT AS REQUIRED IN PARAGRAPH "E" ABOVE.
- G. THE BUILDING INSPECTOR SHALL BE NOTIFIED BY THE CONTRACTOR WHEN THERE IS NEED OF INSPECTION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE / INTERNATIONAL RESIDENTIONAL CODE OR ANY LOCAL CODE OR ORDINANCE. H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND CARE OF

WORK UNTIL IT IS DELIVERED COMPLETED TO THE OWNER.

ADJACENT PROPERTIES DURING CONSTRUCTION, FOR COMPLIANCE WITH

FEDERAL AND STATE O.S.H.A. REGULATIONS, AND FOR THE PROTECTION OF ALL

- I. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONAL
- J. CONTRACTOR SHALL VERIFY AND COORDINATE ALL OPENINGS THROUGH FLOORS, CEILINGS, AND WALLS WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
- ARCHITECTURAL DRAWINGS. NOTIFY ENGINEER AND ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.

PARCEL SIZE: ZONING (EXISTING):

ZONING (PROPOSED):

19.9 ACRES

Wetlands

⊌ Well

100' Wetlands Buffer

Ordinary High Water Mark

Ш

DATE: 10.21.22

ISSUE: PRELIMINARY PLAN
SUBMITTAL
PROJECT NUMBER:

HISTORY:

REV# | DATE | DESCRIPTION

CONSTRAINTS MAP

SCALE:

ILLUSTRATIVE PLAN

SCALE: 1" = 100'-0"

NORTH

CCYARCHITECT

PRELIMINARY PLAN SUBMITTAL PROJECT NUMBER: 17012

DATE: 10.21.22

ISSUE:

HISTORY:

REV# | DATE | DESCRIPTION

SITE PLAN

SCALE: 1" = 100'-0"

NORTH

A3

PLANNING AREA 5

PLANT EXPANSION

WASTEWATER TREATMENT

SCENIC CORRIDOR PLAN

SCALE: As indicated

NORTH



SCALE: As indicated

NORTH

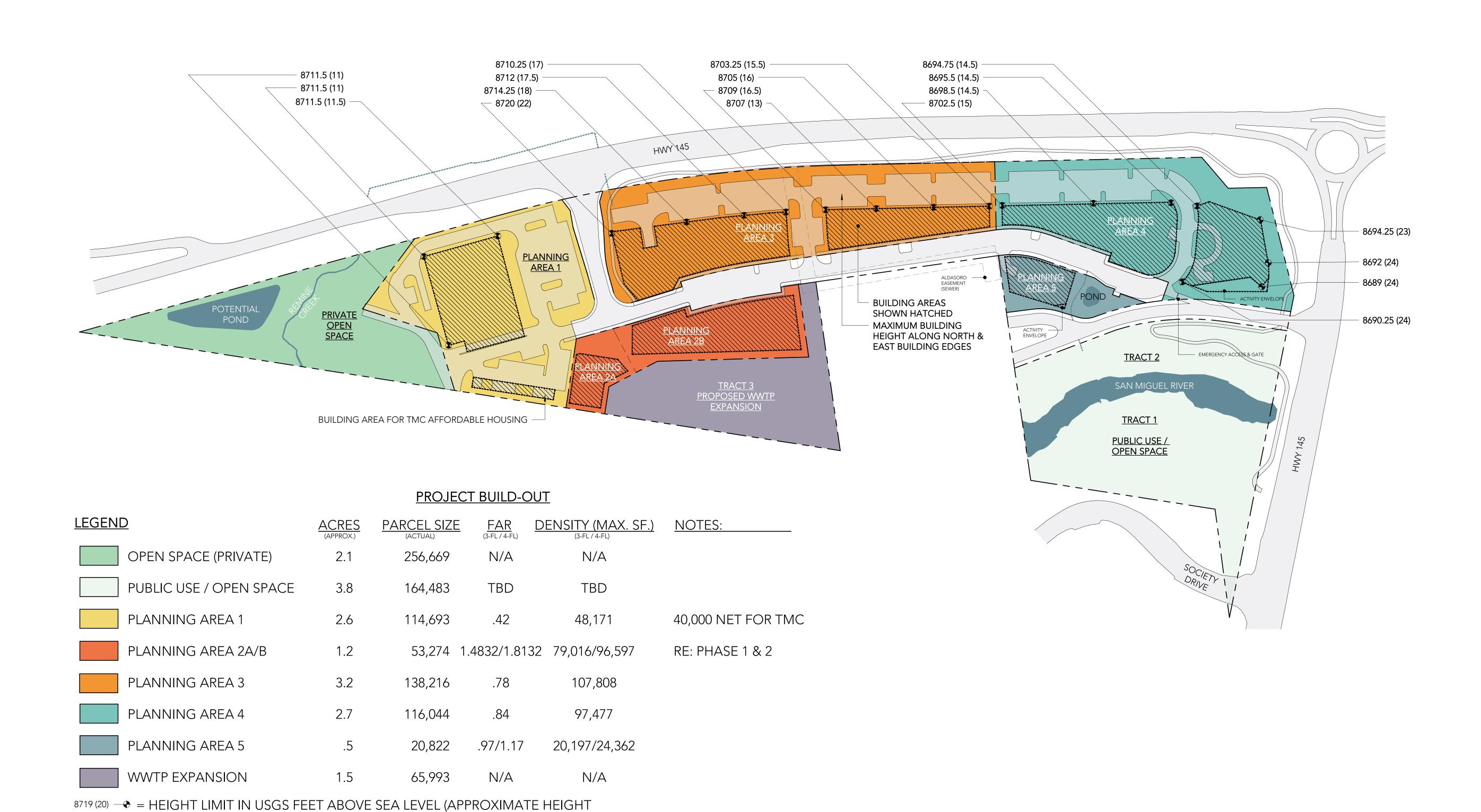
A5

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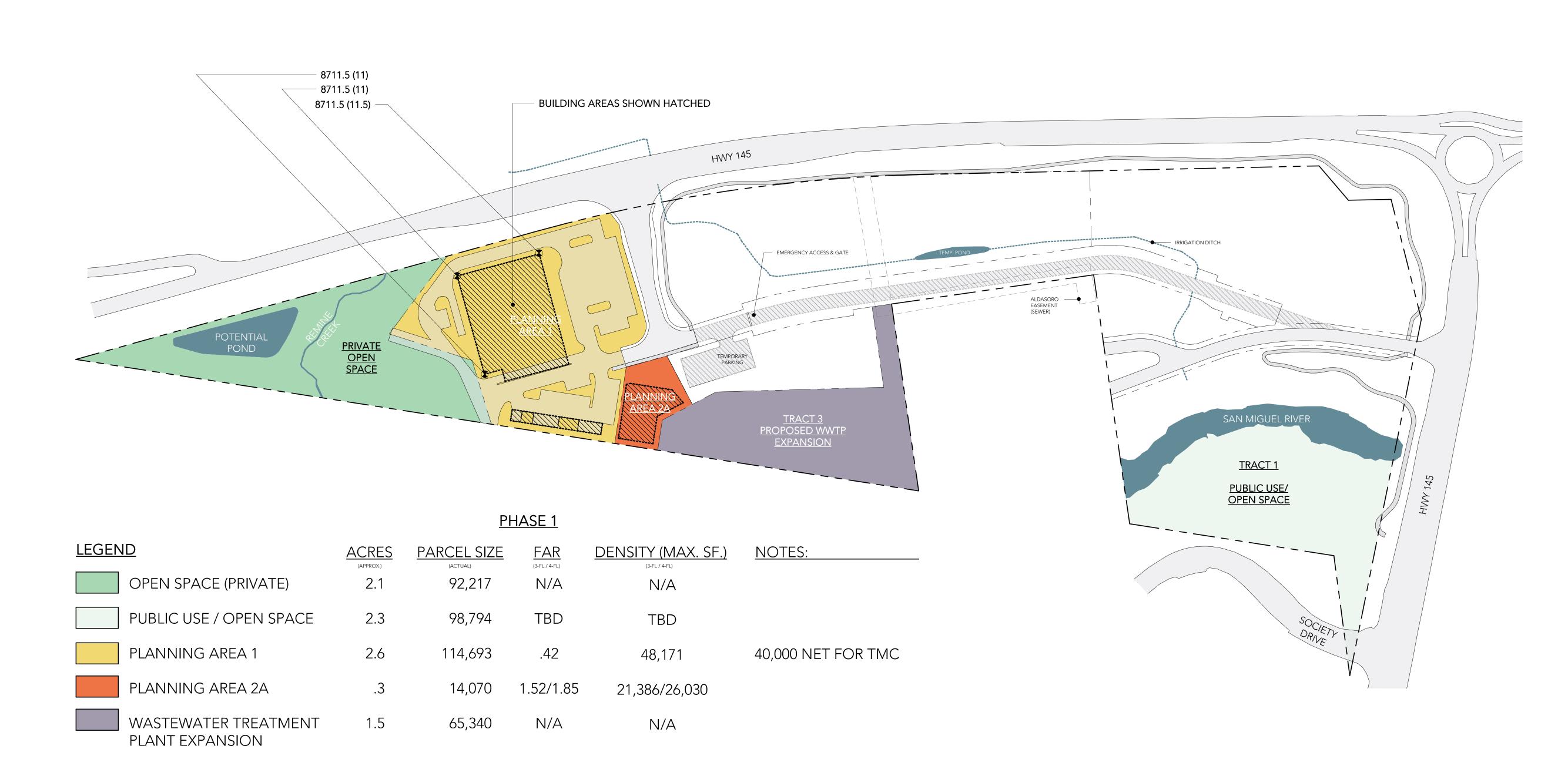
NOTE: MAXIMUM OVERALL DENSITY FOR PROJECT IS 342,843 S.F.; TABLE ALLOWS FOR FLEXIBILITY WITHIN PARCELS.

REFER TO SHEET A9- FOUR STORY MAP FOR 22,000 S.F. DENSITY BONUS WITH ADDITIONAL AFFORDABLE HOUSING USE.

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NORTH



8719 (20) — HEIGHT LIMIT IN USGS FEET ABOVE SEA LEVEL (APPROXIMATE HEIGHT ABOVE HWY 145)

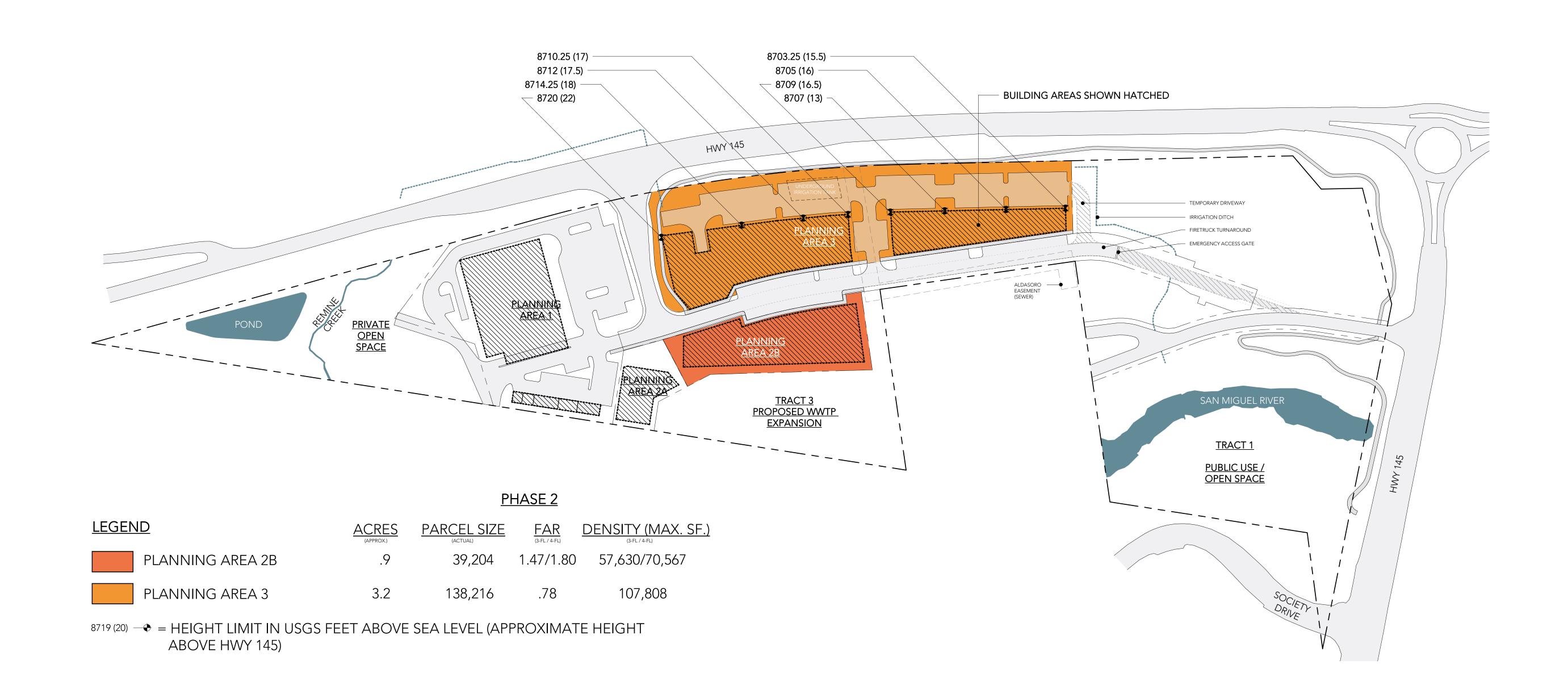
REV# DATE DESCRIPTION

PHASE 2 MAP

SCALE: As indicated

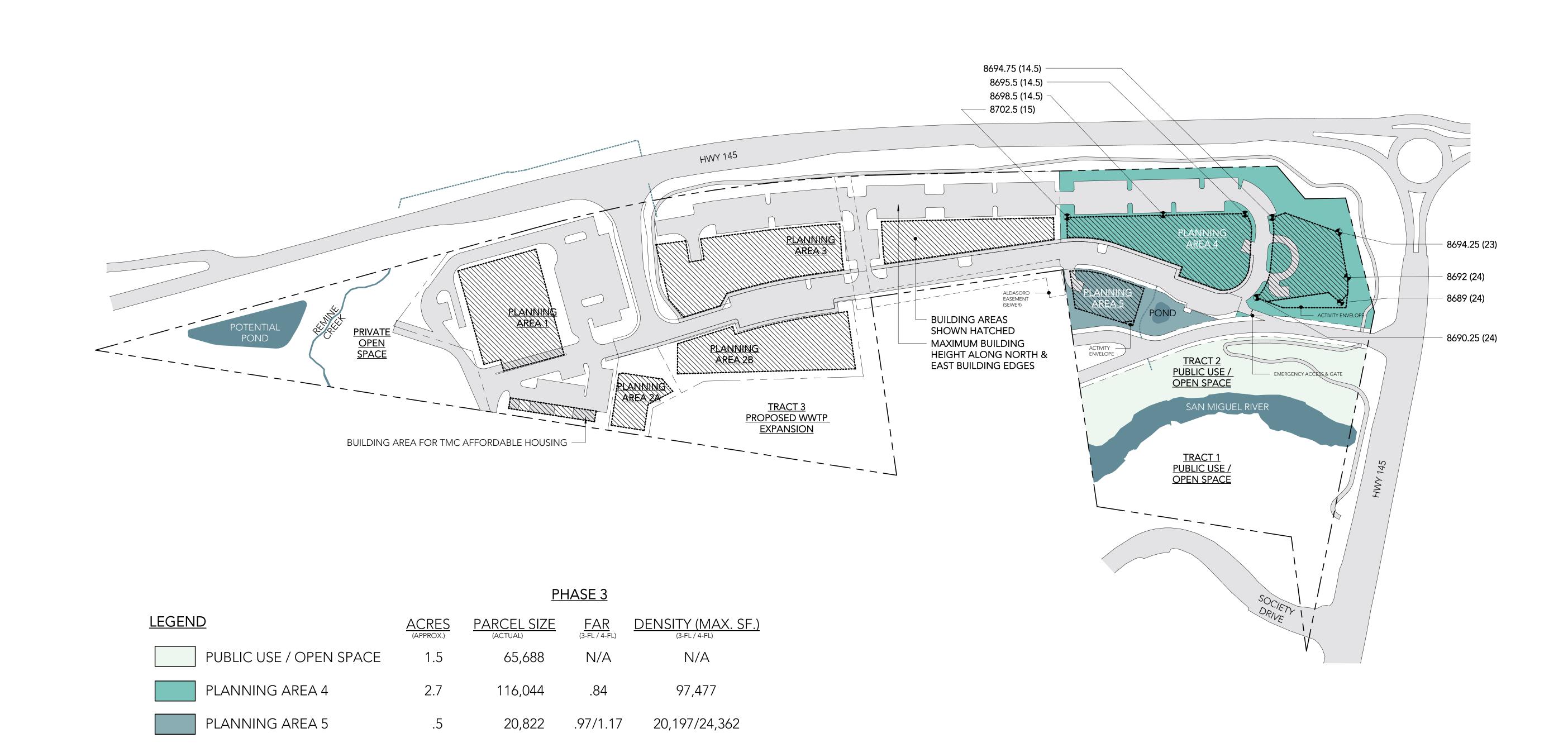
NORTH

A7



A8

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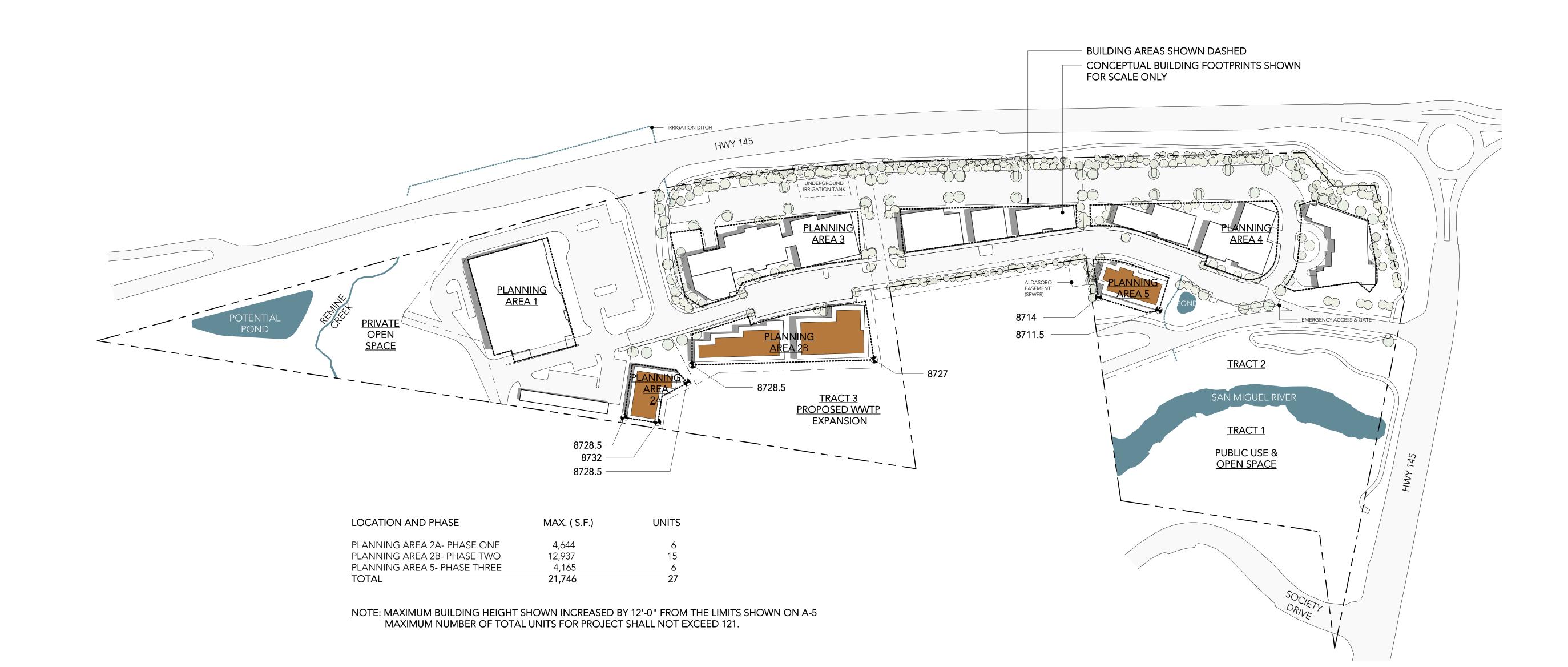
8719 (20) — HEIGHT LIMIT IN USGS FEET ABOVE SEA LEVEL (APPROXIMATE HEIGHT

ABOVE HWY 145)

FOUR STORY MAP

SCALE: 1" = 100'-0"

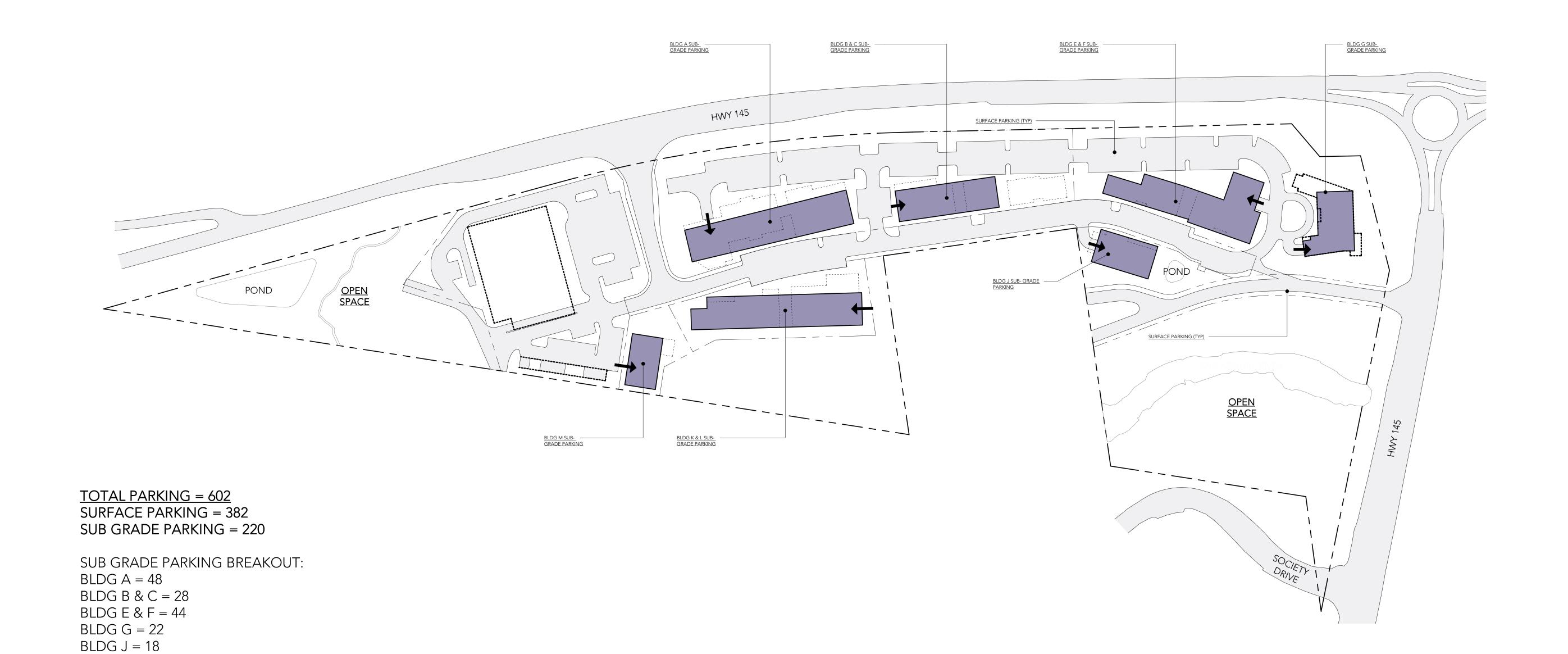
A9



PRELIMINARY PLAN
SUBMITTAL
PROJECT NUMBER:

ISSUE:

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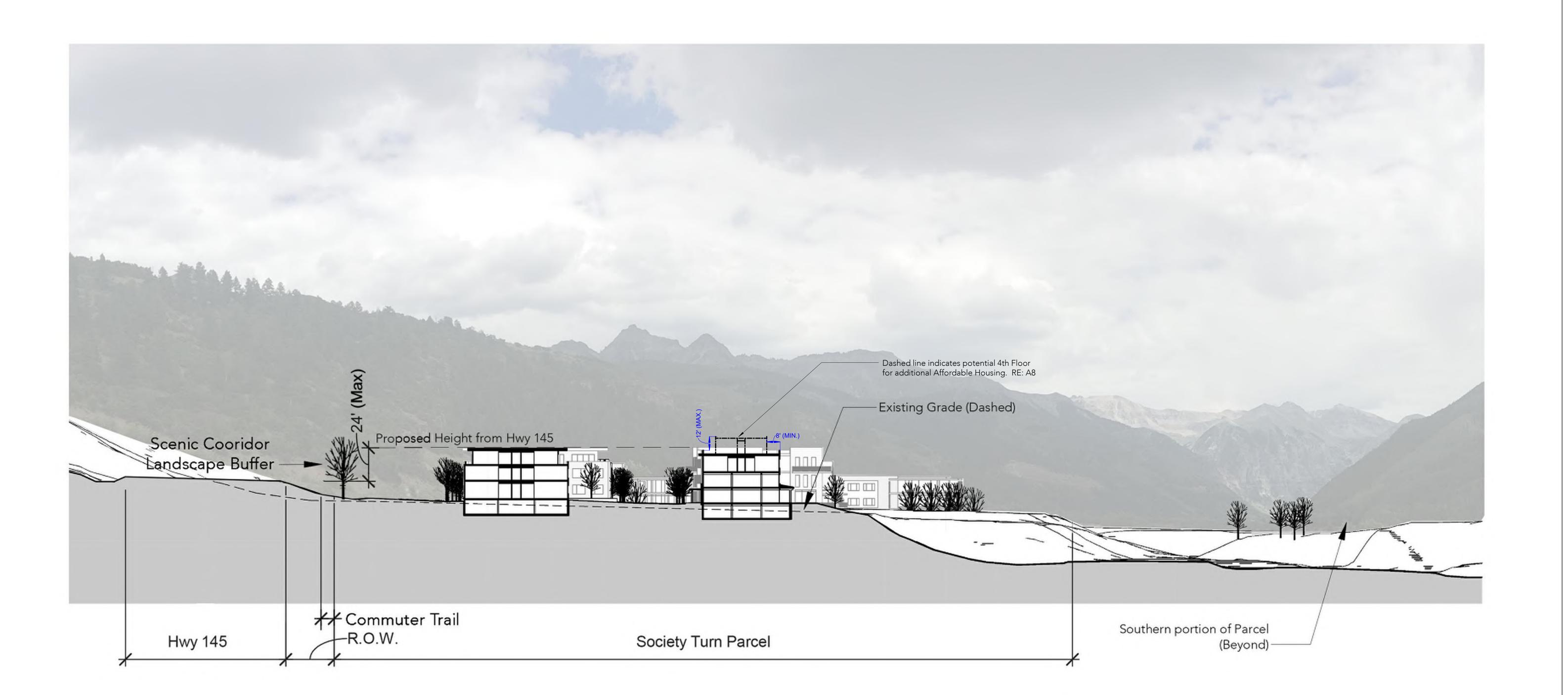


BLDG K & L = 44

BLDG M = 16

SITE SECTION

SCALE: 1"=20'-0"



SCALE: 1" = 300

~ 1 **~**

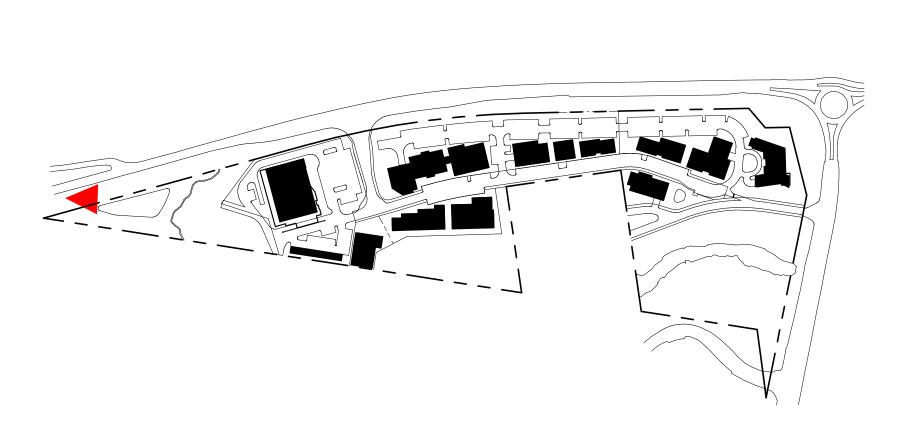




3 STORY

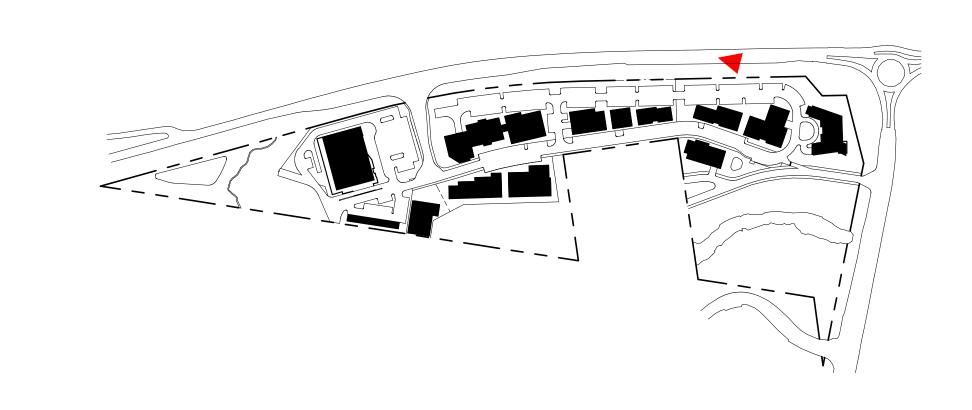


4 STORY
VIEW FROM HIGHWAY APPROACH LOOKING EAST





VIEW FROM HIGHWAY APPROACHING ROUNDABOUT



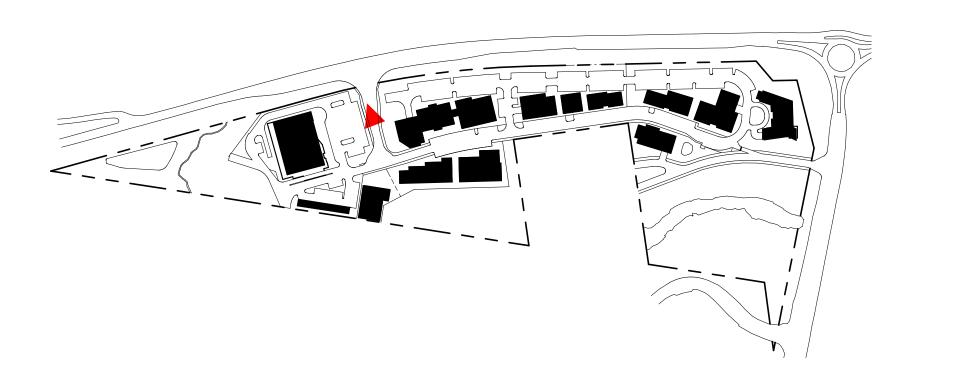




3 STORY

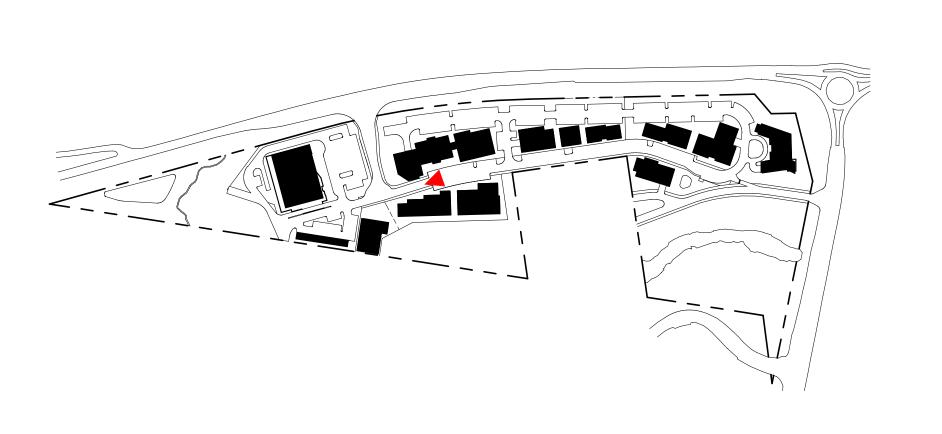


2 | VIEW FROM ROAD A LOOKING SOUTH 4 STORY





4 STORY



3 STORY

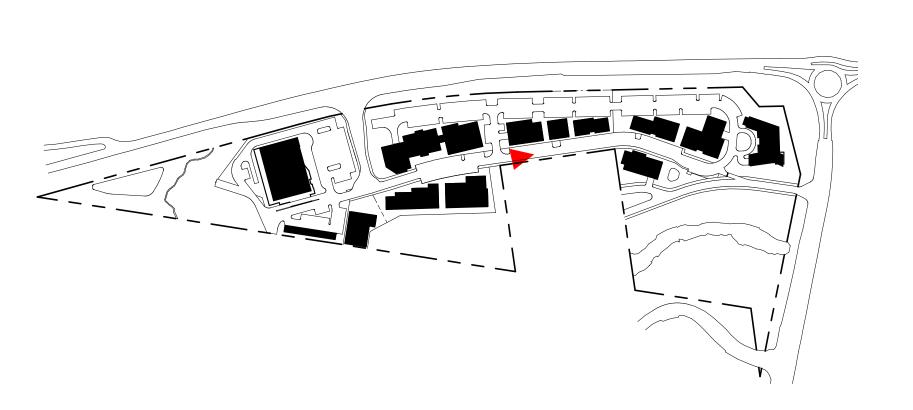




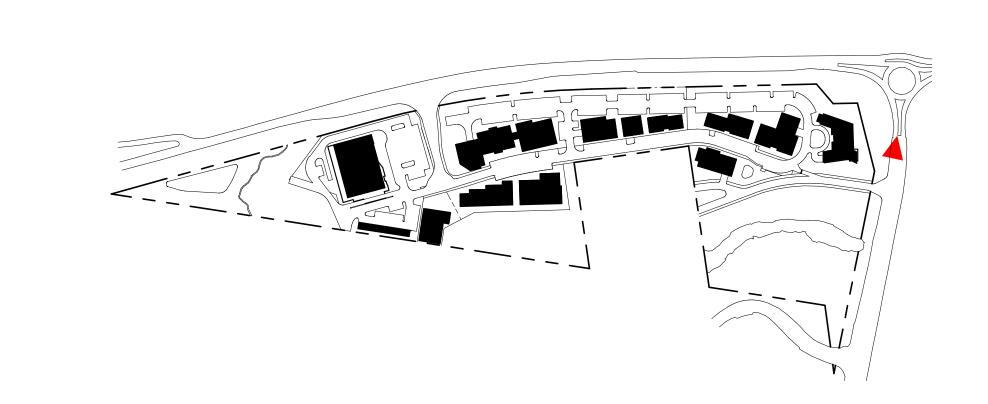
3 STORY



2 | VIEW FROM ROAD B LOOKING WEST

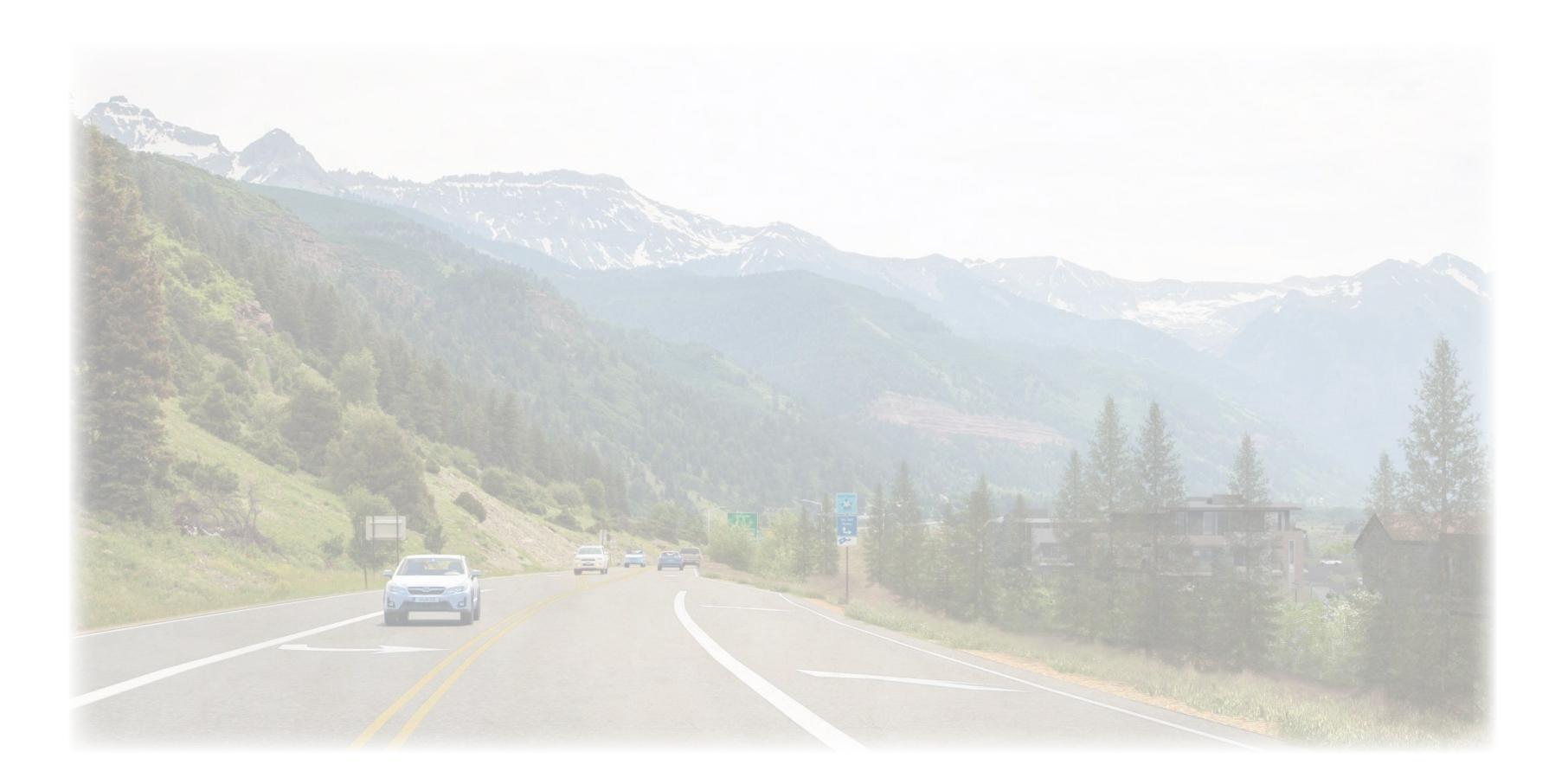


1 | VIEW FROM HWY 145 ROUNDABOUT LOOKING SOUTH









KEY PLANT SPECIES | HIGHWAY BUFFER

Within our 20 foot wide planting section along Highway I45 where a swale and some steep grading occur, a buffer between the highway and the proposed development can be created by planting trees to match existing nearby vegetation, as well as a xeric understory planting design. These species will grow well and efficiently from seed with some overspray from irrigation on our property. Once the tree line matures, it will subtly mimic a mountain peak line, similar to the iconic views when coming into Telluride. Some key plant species include:

- Spruce Tree
- Aspen / Cottonwood Tree
- Firecracker Penstemon
- Rocky Mountain Penstemon
- Moonshine Yarrow
- Oriental Poppies
- Blanket Flower
- Bachelor's Button / Cornflower

KEY PLANT SPECIES | STREETSCAPE ISLANDS

The streetscape vegetation on the main proposed road can be maximized within the few parking islands by using hardy plant species that are capable of withstanding harsher conditions, but will still compliment the adjacent architecture with their colors and forms. Landscape boulders may also be incorporated, depending on building character. Some key plant species include:

- Blue Avena Grass
- Russian Sage
- Moonshine Yarrow
- Walker's Low Catmint
- Scarlet Gilia



- DRAWINGS ARE INTENDED TO BE PRINTED ON 24" X 36" PAPER. PRINTING THESE DRAWINGS AT A DIFFERENT SIZE WILL IMPACT THE SCALE. VERIFY THE GRAPHIC SCALE BEFORE REFERENCING ANY MEASUREMENTS ON THESE SHEETS. THE RECIPIENT OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM INCORRECT PRINTING, COPYING, OR ANY OTHER CHANGES THAT ALTER THE SCALE OF THE DRAWINGS.
- 3. VERIFY ALL PLAN DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE TO ADDRESS ANY QUESTIONS OR CLARIFY ANY DISCREPANCIES.
- 4. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- 5. SUBMIT A CHANGE ORDER FOR APPROVAL FOR ANY CHANGES TO WORK SCOPE RESULTING FROM FIELD CONDITIONS OR DIRECTION BY OWNER'S REPRESENTATIVE WHICH REQUIRE ADDITIONAL COST TO THE OWNER PRIOR TO PERFORMANCE OF WORK.
- 6. THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED. ALL LAYOUT INFORMATION IS AVAILABLE IN DIGITAL FORMAT FOR USE BY THE CONTRACTOR.
- 7. IF A GEOTECHNICAL SOILS REPORT IS NOT AVAILABLE AT THE TIME OF CONSTRUCTION, NORRIS DESIGN RECOMMENDS A REPORT BE AUTHORIZED BY THE OWNER AND THAT ALL RECOMMENDATIONS OF THE REPORT ARE FOLLOWED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE THESE CONTRACT DOCUMENTS AS A BASIS FOR THE BID. IF THE OWNER ELECTS TO PROVIDE A GEOTECHNICAL REPORT, THE CONTRACTOR SHALL REVIEW THE REPORT AND SUBMIT AN APPROPRIATE CHANGE ORDER TO THE OWNER'S REPRESENTATIVE IF ADDITIONAL COSTS ARE REQUESTED.
- 8. CONTRACTOR SHALL CONFIRM THAT SITE CONDITIONS ARE SIMILAR TO THE PLANS, WITHIN TOLERANCES STATED IN THE CONTRACT DOCUMENTS, AND SATISFACTORY TO THE CONTRACTOR PRIOR TO START OF WORK. SHOULD SITE CONDITIONS BE DIFFERENT THAN REPRESENTED ON THE PLANS OR UNSATISFACTORY TO THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND FURTHER DIRECTION.
- 9. CONTRACTOR IS RESPONSIBLE TO PAY FOR, AND OBTAIN, ANY REQUIRED APPLICATIONS, PERMITTING, LICENSES, INSPECTIONS AND METERS ASSOCIATED WITH WORK.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO ANY VIOLATIONS OR NON-CONFORMANCE WITH THE PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, JURISDICTIONAL CODES, AND REGULATORY AGENCIES.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY LOCATES PRIOR TO ANY EXCAVATION. REFER TO ENGINEERING UTILITY PLANS FOR ALL PROPOSED UTILITY LOCATIONS AND DETAILS. NOTIFY OWNER'S REPRESENTATIVE IF EXISTING OR PROPOSED UTILITIES INTERFERE WITH THE ABILITY TO PERFORM WORK.
- 12. UNLESS IDENTIFIED ON THE PLANS FOR DEMOLITION OR REMOVAL, THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT OR EXISTING LANDSCAPE, ADJACENT OR EXISTING PAVING, OR ANY PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION, ESTABLISHMENT OR DURING THE SPECIFIED MAINTENANCE PERIOD. ALL DAMAGES SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOGGING ANY DAMAGES PRIOR TO START OF CONSTRUCTION AND DURING THE CONTRACT PERIOD.
- 13. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE APPROPRIATE JURISDICTIONAL AGENCIES AND THE OWNER'S REPRESENTATIVE IF THEIR WORK AND OPERATIONS AFFECT OR IMPACT THE PUBLIC RIGHTS-OF-WAY. OBTAIN APPROVAL PRIOR TO ANY WORK WHICH AFFECTS OR IMPACTS THE PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THIS REQUIREMENT DURING THE CONTRACT PERIOD.
- 16. SIGHT TRIANGLES AND SIGHT LINES SHALL REMAIN UNOBSTRUCTED BY EQUIPMENT, CONSTRUCTION MATERIALS, PLANT MATERIAL OR ANY OTHER VISUAL OBSTACLE DURING THE CONTRACT PERIOD AND AT MATURITY OF PLANTS PER LOCAL JURISDICTIONAL REQUIREMENTS. NO PLANT MATERIAL OTHER THAN GROUND COVER IS ALLOWED TO BE PLANTED ADJACENT TO FIRE HYDRANTS AS STIPULATED BY JURISDICTIONAL REQUIREMENTS.
- 17. COORDINATE SITE ACCESS, STAGING, STORAGE AND CLEANOUT AREAS WITH OWNER'S REPRESENTATIVE.
- 18. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SAFETY FENCING AND BARRIERS AROUND ALL IMPROVEMENTS SUCH AS WALLS, PLAY STRUCTURES, EXCAVATIONS, ETC. ASSOCIATED WITH THEIR WORK UNTIL SUCH FACILITIES ARE COMPLETELY INSTALLED PER THE PLANS. SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.

LAYOUT NOTES

- WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
 SHOULD SITE CONDITIONS BE DIFFERENT THAN WHAT IS INDICATED ON THE DRAWINGS
- CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION.

 3. CURVED WALKS AND CURB EDGES ARE INTENDED TO BE CONSTRUCTED WITH SMOOTH FLOWING CURVES. ANYTHING OTHER THAN SMOOTH FLOWING CURVES WILL BE REJECTED.
- 4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
 5. THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR
- INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 6. THE CONTRACTOR SHALL INSTALL SLEEVING FOR IRRIGATION IMPROVEMENTS PRIOR TO INSTALLING CONCRETE FLATWORK. REFER TO IRRIGATION PLANS.
- LAYOUT WALKS, SCORE JOINTS AND PAVING PATTERNS AS CLOSELY AS POSSIBLE TO PLANS, DETAILS, AND SPECIFICATIONS. DO NOT DEVIATE FROM PLANS UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE OWNER'S REPRESENTATIVE.
- 8. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE LANDSCAPE ARCHITECT PRIOR TO ANY
- DISTURBANCE OUTSIDE OF THE LIMITS OF WORK. SEE TECHNICAL SPECIFICATIONS.

 9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY FENCING AROUND ALL PLAY STRUCTURES UNTIL PROPER FALL SURFACE IS COMPLETELY INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 10. CONTRACTOR IS RESPONSIBLE FOR SUPERVISING ALL SAFETY SURFACING AND PAVEMENT DURING THE CURING PROCESS.

- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THEIR MATERIAL STOCK PILES AND WORK FROM VANDALISM, EROSION OR UNINTENDED DISTURBANCE DURING THE CONSTRUCTION PERIOD AND UNTIL FINAL ACCEPTANCE IS ISSUED.
- 20. THE CONTRACTOR SHALL KNOW, UNDERSTAND AND ABIDE BY ANY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ASSOCIATED WITH THE SITE. IF A STORM WATER POLLUTION PREVENTION PLAN IS NOT PROVIDED BY THE OWNER'S REPRESENTATIVE, REQUEST A COPY BEFORE PERFORMANCE OF ANY SITE WORK.
- 21. MAINTAIN ANY STORM WATER MANAGEMENT FACILITIES THAT EXIST ON SITE FOR FULL FUNCTIONALITY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ANY NEW STORM WATER MANAGEMENT FACILITIES THAT ARE IDENTIFIED IN THE SCOPE OF WORK TO FULL FUNCTIONALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER FOR FAILURE TO MAINTAIN STORM WATER MANAGEMENT FACILITIES DURING THE CONTRACT PERIOD.
- 22. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM EXITING THE SITE OR ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS DURING THEIR CONTRACTED COURSE OF WORK.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT ANY IMPACTS TO ADJACENT WATERWAYS, WETLANDS, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS RESULTING FROM WORK DONE AS PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE STANDARDS DURING THEIR CONTRACTED COURSE OF WORK.
- 24. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CONSTRUCTION MATERIAL IMPORTED TO OR EXPORTED FROM THE PROJECT SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT.

 TRANSPORTATION METHODS ON PUBLIC RIGHT-OF WAYS SHALL CONFORM TO JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS.
- 25. THE CLEANING OF EQUIPMENT IS PROHIBITED AT THE JOB SITE UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE IN A DESIGNATED AREA. THE DISCHARGE OF WATER, WASTE CONCRETE, POLLUTANTS, OR OTHER MATERIALS SHALL ONLY OCCUR IN AREAS DESIGNED FOR SUCH USE AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- 26. THE CLEANING OF CONCRETE EQUIPMENT IS PROHIBITED AT THE JOB SITE EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE IN THE STORM SEWER IS PROHIBITED.
- 27. OPEN SPACE SWALES: IF SWALES ARE EXISTING ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE CONVEYANCE OF WATER WITHIN THE SWALES DURING THE CONTRACT PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DIVERSION OR PUMPING OF WATER IF REQUIRED TO COMPLETE WORK. ANY SWALES DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. IF THE SWALE NEEDS TO BE DISTURBED OR MODIFIED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO DISTURBANCE.
- 28. DETENTION AND WATER QUALITY PONDS: IF DETENTION PONDS AND WATER QUALITY PONDS ARE EXISTING ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE PONDS, DRAINAGE STRUCTURES AND SPILLWAYS DURING CONSTRUCTION. ALL PONDS, DRAINAGE STRUCTURES AND SPILLWAYS SHALL BE MAINTAINED IN OPERABLE CONDITIONS AT ALL TIMES. ANY POND OR SPILLWAY AREAS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. IF THE POND NEEDS TO BE DISTURBED OR MODIFIED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO
- 29. MAINTENANCE ACCESS BENCHES: IF MAINTENANCE BENCHES OR ACCESS ROADS EXIST ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE BENCHES OR ACCESS ROADS DURING CONSTRUCTION. ANY BENCHES OR ACCESS ROADS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING BENCHES AND ACCESS ROADS DURING THE CONSTRUCTION PERIOD. IF ACCESS NEEDS TO BE BLOCKED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INTERRUPTION OF
- 30. LOCAL, STATE AND FEDERAL JURISDICTIONAL REQUIREMENTS, RESTRICTIONS OR PROCEDURES SHALL SUPERSEDE THESE PLANS, NOTES AND SPECIFICATIONS WHEN MORE STRINGENT. NOTIFY THE OWNER'S REPRESENTATIVE IF CONFLICTS OCCUR.

EROSION NOTES

- THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOW LINE AND THE PUBLIC RIGHTS-OF-WAY OF SAN MIGUEL COUNTY AS A RESULT OF THIS SITE DEVELOPMENT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
- 2. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT.
- 3. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
- 4. THE DEVELOPER, GENERAL CONTRACTOR, GRADING CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT ON PUBLIC RIGHT-OF WAYS.
- 5. THE USE OF REBAR, STEEL STAKES, OR STEEL FENCE POSTS TO STAKE DOWN STRAW OR HAY BALES OR TO SUPPORT SILT FENCING USED AS AN EROSION CONTROL MEASURE IS PROHIBITED.
- 6. THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES IS PROHIBITED AT THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED.
- 7. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING, OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS.

LANDSCAPE NOTES

- 1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AND SPECIFICATIONS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. GRAPHIC QUANTITIES TAKES PRECEDENCE OVER WRITTEN QUANTITIES.
- 3. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ONSITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- 4. THE OWNER'S REPRESENTATIVE MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- 5. THE CONTRACTOR SHALL WARRANTY ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS OR SPECIFICATIONS.
- 6. REFER TO IRRIGATION PLANS FOR LIMITS AND TYPES OF IRRIGATION DESIGNED FOR THE LANDSCAPE. IN NO CASE SHALL IRRIGATION BE EMITTED WITHIN THE MINIMUM DISTANCE FROM BUILDING OR WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT. ALL IRRIGATION DISTRIBUTION LINES, HEADS AND EMITTERS SHALL BE KEPT OUTSIDE THE MINIMUM DISTANCE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT.
- 7. LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE
- 8. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%; MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- 9. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENED TO A DEPTH OF 8" 12" AND AMENDED PER SPECIFICATIONS.
- 10. ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION AS NOTED IN THE TECHNICAL SPECIFICATIONS.
- 11. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.

1. MAINTAIN TREES, SHRUBS, GROUND COVERS AND PLANTS BY PRUNING, CULTIVATING,

REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.

REPLACE DAMAGED STAKES AND GUYS AS DIRECTED BY THE OWNER.

WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND

REPAIRING STAKES AND GUY WIRE SUPPORTS. AND RESETTING TO PROPER GRADES OR

VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SPRAY AS

WATERING: MAINTAIN LARGE ENOUGH WATER BASINS AROUND PLANTS SO THAT ENOUGH

PRUNE AS REQUIRED AT TIME OF PLANTING AND AS NEEDED TO CORRECT DAMAGE.

4. STAKES AND GUY WIRES: INSPECT REGULARLY TO PREVENT GIRDLING OF TRUNKS OR

WATER CAN BE APPLIED TO ESTABLISH MOISTURE THROUGHOUT ENTIRE ROOT ZONE. UTILIZE

MULCHES TO REDUCE EVAPORATION AND WATERING FREQUENCY. ALL TREES SHALL BE DRIP

BRANCHES AND TO PREVENT RUBBING WHICH MIGHT CAUSE BARK WOUNDS. REMOVE AND

WEED CONTROL: MAINTAIN TREE AND SHRUB BASINS FREE OF WEEDS AND GRASSES ON A

INSECTS AND DISEASE CONTROL: CONTROL INSECTS AND DISEASE AS NECESSARY TO

PREVENT DAMAGE TO THE HEALTH OR APPEARANCE OF PLANTS. USE ONLY APPROVED

MATERIALS AND METHODS. DEAD, DISEASED, AND/OR BEETLE INFESTED TREES MUST BE

REMOVED UPON IMMEDIATE RECEIPT OF WRITTEN OR VERBAL NOTICE TO THE PROPERTY

7. DEAD PLANT MATERIALS SHALL BE REMOVED WITHIN (1) MONTH WITH PLANTING MATERIALS

8. NATURAL LANDSCAPE MATERIALS SUCH AS ROCK, STONE, BARK CHIPS AND SHAVINGS WHICH

NO LONGER COVER THE AREA IN WHICH THEY WERE ORIGINALLY DEPOSITED SHALL BE

REPLENISHED SO THAT THEY AGAIN ACHIEVE FULL COVERAGE TO A MINIMUM DEPTH AS

CONTROL MEASURES APPROPRIATE TO THE AMOUNT OF GROWTH AND/OR SPECIES SHALL BE

1. IN AREAS THAT HAVE BEEN REGRADED AND/OR HAVE EXISTING WEED GROWTH, WEED

2. THROUGHOUT THE GROWING SEASON WEED CONTROL OF NATIVE AREAS SHALL BE

3. HERBICIDE SHALL BE APPLIED BY A LICENSED APPLICATOR OR UNDER THE DIRECT

MOW A MINIMUM OF ONCE YEARLY UPON ESTABLISHMENT OF GRASS.

THAT MEET THE ORIGINAL INTENT OF THE APPROVED LANDSCAPE DESIGN.

WEEKLY BASIS. FREQUENT SOIL CULTIVATION THAT MIGHT DESTROY SHALLOW ROOTS IS NOT

12. THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROTOR HEADS. NOTIFY OWNER'S REPRESENTATIVE IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.

- 13. ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- 14. ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 3 YEARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STAKES AT THE END OF 3 YEARS FROM ACCEPTANCE OF LANDSCAPE INSTALLATION BY THE OWNER'S REPRESENTATIVE. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- 15. ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE PRIOR TO DOING WORK.
- 16. ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
- 17. SHRUB, GROUNDCOVER AND PERENNIAL BEDS ARE TO BE CONTAINED BY SPADE CUT EDGE. EDGER IS NOT REQUIRED WHEN ADJACENT TO CURBS, WALLS, WALKS OR SOLID FENCES WITHIN 3" OF PRE-MULCHED FINAL GRADE. SPADE CUT EDGE SHALL NOT BE REQUIRED TO SEPARATE MULCH TYPES UNLESS SPECIFIED ON THE PLANS.
- 18. ALL SHRUB BEDS ARE TO BE MULCHED WITH MIN. 3" DEPTH, SPECIFIED LANDSCAPE MULCH OVER SPECIFIED GEOTEXTILE WEED CONTROL FABRIC, SEE MATERIAL SCHEDULE. ALL GROUND COVER AND PERENNIAL FLOWER BEDS SHALL BE MULCHED WITH 3" DEPTH GORILLA HAIR SHREDDED CEDAR LANDSCAPE MULCH. NO WEED CONTROL FABRIC IS REQUIRED IN GROUNDCOVER OR PERENNIAL AREAS.
- 19. AT SEED AREA BOUNDARIES ADJACENT TO EXISTING NATIVE AREAS, OVERLAP ABUTTING NATIVE AREAS BY THE FULL WIDTH OF THE SEEDER.
- 20. EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH NEW SOD TO MATCH EXISTING TURF SPECIES. DISTURBED NATIVE AREAS WHICH ARE TO REMAIN SHALL BE OVER SEEDED AND RESTORED WITH SPECIFIED SEED MIX.
- 21. CONTRACTOR SHALL OVER SEED ALL MAINTENANCE OR SERVICE ACCESS BENCHES AND ROADS WITH SPECIFIED SEED MIX UNLESS OTHERWISE NOTED ON THE PLANS.
- 22. ALL SEEDED SLOPES EXCEEDING 25% IN GRADE (4:1) SHALL RECEIVE EROSION CONTROL BLANKETS. PRIOR TO INSTALLATION, NOTIFY OWNER'S REPRESENTATIVE FOR APPROVAL OF LOCATION AND ANY ADDITIONAL COST IF A CHANGE ORDER IS NECESSARY.
- 23. WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.
- 24. SOFT SURFACE TRAILS NEXT TO MANICURED TURF OR SHRUB BEDS SHALL BE CONTAINED WITH SPADE CUT EDGE.
- 25. PRIOR TO THE PLACEMENT OF MULCH AND WEED FABRIC, A GRANULAR, PRE-EMERGENT, WEED CONTROL AGENT SHALL BE ADDED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION, EXCEPT AROUND ORNAMENTAL GRASSES.
- 26. THE CONTRACTOR IS EXPECTED TO KNOW AND UNDERSTAND THE TOWN AND COUNTY SPECIFICATIONS FOR LANDSCAPE AND IRRIGATION. IN CASES OF DISCREPANCIES THE HIGHER OF THE TWO STANDARDS SHALL HAVE PRECEDENCE.
- 27. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL IMPROVEMENTS SHOWN OR INDICATED ON THE APPROVED LANDSCAPE PLAN ON FILE IN THE PLANNING DEPARTMENT
- 28. ALL TREES, SHRUBS, ORNAMENTAL GRASSES, PERENNIALS AND DESIGNATED AREAS OF NATIVE SEED SHALL BE IRRIGATED. ALL TREES, SHRUBS ORNAMENTAL GRASSES TO BE DRIP IRRIGATED. PERENNIALS AND SEED AREAS TO BE SPRAYED.
- TREES PLANTED IN GROUPS OF THREE OR MORE SHALL BE A VARIETY OF SIZES TO MIMIC NATURAL TREE STANDS.
- 30. ALL EXISTING TREES SHALL BE PROTECTED AND PRESERVED TO THE EXTENT POSSIBLE.
 31. PLANT QUANTITIES SHOWN IN SCHEDULE (L-1.1) EXCLUDE LANDSCAPE OUTSIDE LIMIT OF WORK.

SHEET INDEX

- L-1.0 NOTES
- L-1.1 LANDSCAPE SCHEDULE
- L-1.2 MATERIAL SCHEDULE
- L-1.3 OVERALL LANDSCAPE PLAN
 L-2.0 LANDSCAPE PLAN
- L-2.1 LANDSCAPE PLAN
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- L-2.4 LANDSCAPE PLAN
- L-2.5 LANDSCAPE PLAN L-3.0 DETAILS
- L-4.0 TRAIL EXHIBIT

GENERAL NOTE: EXTENTS OF LANDSCAPE AND IRRIGATION SHOWN FOR PROOF OF CONCEPT RELATIVE TO AVAILABLE NON-POTABLE WATER. SITE-SPECIFIC LANDSCAPE DESIGN FOR PLANNING AREAS 2-5 TO BE SUBMITTED WITH ARCHITECTURAL PLANS.

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CIETY TURN

SHEET TITLE:
LANDSCAPE
NOTES

L-1.0

NATIVE SEED AREAS

1. REFERENCE WEED CONTROL NOTES ABOVE.

SUPERVISION OF A LICENSED APPLICATOR.

PREFORMED USING A SPOT TREATMENT METHOD.

MAINTENANCE NOTES

IRRIGATED.

PERMITTED.

SPECIFIED.

PROVIDED.

WEED CONTROL

TREES, SHRUBS AND GROUND COVERS

KED BY: VN BY:

CHECKED E

PLANT SCHEDULE

DECIDUOUS TREES POP IED PO TR POP NMN	BOTANICAL NAME POPULUS ANGUSTIFOLIA POPULUS TREMULOIDES POPULUS TREMULOIDES 'CLUMP FORM'	COMMON NAME NARROWLEAF COTTONWOOD QUAKING ASPEN CLUMP FORM QUAKING ASPEN	ROOT B & B B & B B & B	SIZE 2.5" CAL. 2"CAL 2" CAL.	NOTES CLUMP	QTY 33 34 43
EVERGREEN TREES PIC EN2 PI PU PIC BBB PI AR	BOTANICAL NAME PICEA ENGELMANNII PICEA PUNGENS PICEA PUNGENS 'BABY BLUE' PINUS ARISTATA	COMMON NAME ENGELMANN SPRUCE COLORADO SPRUCE BABY BLUE COLORADO SPRUCE BRISTLECONE PINE	ROOT B & B B & B B & B B & B	SIZE 8-10` HT. MIN 6` HEIGHT 6` HT. 6` HEIGHT	NOTES	QTY 28 7 48 46
ORNAMENTAL TREES BE FO MA SS PRU CAN	BOTANICAL NAME BETULA FONTINALIS MALUS X `SPRING SNOW` PRUNUS VIRGINIANA 'CANADA RED'	COMMON NAME NATIVE RIVER BIRCH SPRING SNOW CRAB APPLE CANADA RED CHOKECHERRY	ROOT B & B B & B B & B	<u>SIZE</u> 6` CLUMP 1.5"CAL 2" CAL.	NOTES	QTY 15 30 18
DECIDUOUS SHRUBS ART TRI CH NN FA PA HO DU PH MO POT KAT PR PB RI AL RIB GRE RO WO SA PU SHE ARG SYR CAN	BOTANICAL NAME ARTEMISIA TRIDENTATA CHRYSOTHAMNUS NAUSEOSUS NAUCEOSUS FALLUGIA PARADOXA HOLODISCUS DUMOSUS PHYSOCARPUS MONOGYNUS POTENTILLA FRUTICOSA 'KATHERINE DYKES' PRUNUS BESSEYI PAWNEE BUTTES RIBES ALPINUM RIBES ALPINUM RIBES ALPINUM 'GREEN MOUND' ROSA WOODSII SALIX PURPUREA 'NANA' SHEPHERDIA ARGENTEA SYRINGA X PRESTONIAE 'MISS CANADA'	COMMON NAME TALL WESTERN SAGE BABY BLUE RABBITBRUSH APACHE PLUME ROCK SPIREA MOUNTAIN NINEBARK KATHERINE DYKES BUSH CINQUEFOIL CREEPING WESTERN SAND CHERRY ALPINE CURRANT GREEN MOUND ALPINE CURRANT MOUNTAIN ROSE DWARF ARCTIC WILLOW SILVER BUFFALOBERRY MISS CANADA PRESTON LILAC	ROOT CONT.	SIZE #5 #5 #5 #5 #5 #5 #5 #5	NOTES	QTY 38 38 65 45 101 71 102 45 21 110 76 81 80
EVERGREEN SHRUBS PIN BIG PIN WH2	BOTANICAL NAME PINUS MUGO 'BIG TUNA' PINUS MUGO 'WHITE BUD'	COMMON NAME BIG TUNA MUGO PINE WHITE BUD MUGO PINE	ROOT CONT. CONT.	<u>SIZE</u> #5 #5	NOTES	QTY 70 36
ORNAMENTAL GRASSES BO BA DES TUF STI HYM	BOTANICAL NAME BOUTELOUA GRACILIS 'BLONDE AMBITION' DESCHAMPSIA CESPITOSA STIPA HYMENOIDES	COMMON NAME BLOND AMBITION BLUE GRAMA GRASS TUFTED HAIR GRASS INDIAN RICEGRASS	ROOT CONT. CONT. CONT.	<u>SIZE</u> #1 #1 #1	NOTES	QTY 144 124 49
PERENNIALS AC MO ANE MLT ARC UVA AST ALP PEN STR	BOTANICAL NAME ACHILLEA X 'MOONSHINE' ANEMONE MULTIFIDA ARCTOSTAPHYLOS UVA-URSI ASTER ALPINUS PENSTEMON STRICTUS	COMMON NAME MOONSHINE YARROW PACIFIC ANEMONE KINNIKINNICK ALPINE ASTER ROCKY MOUNTAIN PENSTEMON	ROOT CONT. 7 GAL CONT. CONT. CONT.	<u>SIZE</u> #1 #1 #1 #1	NOTES	QTY 28 101 10 25 54

NOTE: PLANT QUANTITIES SHOWN ARE PRELIMINARY, NOT YET APPROVED AND SUBJECT TO CHANGE.

> **GENERAL NOTE:** EXTENTS OF LANDSCAPE AND IRRIGATION SHOWN FOR PROOF OF CONCEPT RELATIVE TO AVAILABLE NON-POTABLE WATER. SITE-SPECIFIC LANDSCAPE DESIGN FOR PLANNING AREAS 2-5 TO BE SUBMITTED WITH ARCHITECTURAL PLANS.

SHORT DRY GRASS SEED MIXTURE

% OF TOTAL	LBS. PER 1000 S.F.
30%	0.6 LBS.
30%	0.6 LBS.
25%	0.5 LBS.
10%	0.2 LBS.
5%	0.1 LBS.
	30% 30% 25% 10%

TOTAL 100% 2.0 LBS. - THIS MIX TO BE USED FOR ALL GRASS AREAS

- SLOPES OVER 3:1 SHALL BE HAYED AND TACKIFIED OR NETTED - SPREAD SEED AT A RATE OF 2 LBS PER 1000 SF

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NOT FOR CONSTRUCTION

DATE: 6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

SHEET TITLE: LANDSCAPE SCHEDULES

L-1.1

SHEET TITLE: MATERIAL & AMENITY SCHEDULES

GENERAL NOTE: EXTENTS OF LANDSCAPE AND

SUBMITTED WITH ARCHITECTURAL PLANS.

IRRIGATION SHOWN FOR PROOF OF CONCEPT RELATIVE

TO AVAILABLE NON-POTABLE WATER. SITE-SPECIFIC

LANDSCAPE DESIGN FOR PLANNING AREAS 2-5 TO BE

L-1.2

DULE					
DESCRIPTION	MANUFACTURER	SIZE / DIMENSIONS	PRODUCT NAME	COLOR / FINISH	NOTES
BIKE RACK	SITE PIECES (OR APPROVED EQUAL)	8" X 3" X 36"H	MONOLINE CORE BIKE RACK ML-CORE-8	GEMSTONE POWDER COAT	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
PLANTERS SITE PIECES (OR APPROVED EQUAL)		36"X72"X24"	MONOLINE PLANTER	HOT DAMN POWDER COAT	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
TRASH RECEPTACLE	BEAR SAVER (OR APPROVED EQUAL)	44" X 46" X 24"	HA SERIES DOUBLE TRASH ENCLOSURE HA2-P	BLACK	SURFACE MOUNT PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
TABLE	SITE PIECES (OR APPROVED EQUAL)	77" X 77" X 29.3"H	MONOLINE CAROUSEL TABLE ML-CT-4SEAT-RD	ALPINE GREEN POWDER COAT	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
BENCH	SITE PIECES (OR APPROVED EQUAL)	72" X 27" X 38.5"H	MONOLINE BENCH ML-BENCH-72 or MONOLINE SOLID FLAT BENCH ML-SS-FLAT	VELVET POWDER COAT, THERMALLY MODIFIED ASH	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
PET WASTE STATION DOGI POT (OR APPROVED EQUAL)		15" X 13" X 73"H	1003HP-L-DOGIPOT	GREEN AND STEEL	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
PEDESTRIAN LIGHT	MH LIGHTING (OR APPROVED EQUAL)	12' HEIGHT POLE LIGHT	PEDESTRIAN POLE LIGHT, NIGHT SKY COMPLIANT	BLACK MATTE FINISH	INSTALL PER MANUFACTURER SPECIFICATIONS. REFER TO PLANS FOR LOCATION AND QUANTITY
EDULE					
DESCRIPTION	MANUFACTURER	SIZE / DIMENSIONS	PRODUCT NAME	COLOR / FINISH	NOTES
CONCRETE FLATWORK	N/A	REFER TO CIVIL PLANS	N/A	STANDARD GREY, BROOM FINISH	REFER TO CIVIL FOR DEPTH AND INSTALLATION DETAILS
	BIKE RACK PLANTERS TRASH RECEPTACLE TABLE BENCH PET WASTE STATION PEDESTRIAN LIGHT IEDULE DESCRIPTION	DESCRIPTION BIKE RACK SITE PIECES (OR APPROVED EQUAL) PLANTERS SITE PIECES (OR APPROVED EQUAL) TRASH RECEPTACLE BEAR SAVER (OR APPROVED EQUAL) TABLE SITE PIECES (OR APPROVED EQUAL) BENCH SITE PIECES (OR APPROVED EQUAL) PET WASTE STATION DOGI POT (OR APPROVED EQUAL) PEDESTRIAN LIGHT MH LIGHTING (OR APPROVED EQUAL) IEDULE DESCRIPTION MANUFACTURER	DESCRIPTION MANUFACTURER SIZE / DIMENSIONS BIKE RACK SITE PIECES (OR APPROVED EQUAL) 8" X 3" X 36"H PLANTERS SITE PIECES (OR APPROVED EQUAL) TRASH RECEPTACLE BEAR SAVER (OR APPROVED EQUAL) TABLE SITE PIECES (OR APPROVED EQUAL) TABLE SITE PIECES (OR APPROVED EQUAL) 77" X 77" X 29.3"H BENCH SITE PIECES (OR APPROVED EQUAL) 72" X 27" X 38.5"H PET WASTE STATION DOGI POT (OR APPROVED EQUAL) 15" X 13" X 73"H PEDESTRIAN LIGHT MH LIGHTING (OR APPROVED EQUAL) 12' HEIGHT POLE LIGHT IEDULE DESCRIPTION MANUFACTURER SIZE / DIMENSIONS CONCRETE FLATWORK N/A REFER TO CIVIL PLANS	DESCRIPTION MANUFACTURER SIZE / DIMENSIONS PRODUCT NAME BIKE RACK SITE PIECES (OR APPROVED EQUAL) 8" X 3" X 36"H MONOLINE CORE BIKE RACK ML-CORE-8 PLANTERS SITE PIECES (OR APPROVED EQUAL) 36"X72"X24" MONOLINE PLANTER TRASH RECEPTACLE BEAR SAVER (OR APPROVED EQUAL) 44" X 46" X 24" HA SERIES DOUBLE TRASH ENCLOSURE HA2-P TABLE SITE PIECES (OR APPROVED EQUAL) 77" X 77" X 29.3"H MONOLINE CAROUSEL TABLE ML-CT-4SEAT-RD BENCH SITE PIECES (OR APPROVED EQUAL) 72" X 27" X 38.5"H MONOLINE BENCH ML-BENCH-72 or MONOLINE SOLID FLAT BENCH ML-SS-FLAT PET WASTE STATION DOGI POT (OR APPROVED EQUAL) 15" X 13" X 73"H 1003HP-L-DOGIPOT PEDESTRIAN LIGHT MH LIGHTING (OR APPROVED EQUAL) 12" HEIGHT POLE LIGHT PEDESTRIAN POLE LIGHT, NIGHT SKY COMPLIANT IEDULE DESCRIPTION MANUFACTURER SIZE / DIMENSIONS PRODUCT NAME	DESCRIPTION MANUFACTURER SIZE / DIMENSIONS PRODUCT NAME COLOR / FINISH BIKE RACK SITE PIECES (OR APPROVED EQUAL) 8° X 3° X 36° H MONOLINE CORE BIKE RACK ML-CORE-8 GEMSTONE POWDER COAT PLANTERS SITE PIECES (OR APPROVED EQUAL) 36° X72° X24° MONOLINE PLANTER HOT DAMN POWDER COAT TRASH RECEPTACLE BEAR SAVER (OR APPROVED EQUAL) 44° X 46° X 24° HA SERIES DOUBLE TRASH ENCLOSURE HA2-P BLACK TABLE SITE PIECES (OR APPROVED EQUAL) 77° X 77° X 29.3° H MONOLINE CAROUSEL TABLE ML-CT-4SEAT-RD ALPINE GREEN POWDER COAT BENCH SITE PIECES (OR APPROVED EQUAL) 72° X 27° X 38.5° H MONOLINE BENCH ML-BENCH-72 or MONOLINE SOLID FLAT BENCH MODIFIED ASH PET WASTE STATION DOG! POT (OR APPROVED EQUAL) 15° X 13° X 73° H 1003HP-L-DOG!POT GREEN AND STEEL PEDESTRIAN LIGHT MH LIGHTING (OR APPROVED EQUAL) 12° HEIGHT POLE LIGHT PEDESTRIAN POLE LIGHT, NIGHT SKY COMPLIANT BLACK MATTE FINISH IEDULE DESCRIPTION MANUFACTURER SIZE / DIMENSIONS PRODUCT NAME COLOR / FINISH CONCRETE FLATWORK N/A STANDARD GREY, BROOM FINISH

1-1.5" DIA RIVER ROCK, SEE PLANS FOR \bigcirc B PIONEER SAND & GRAVEL (OR APPROVED EQUAL) LANDSCAPE BED SMOOTH / EARTH TONES MINIMUM 3" DEPTH, INSTALL ABOVE WEED CONTROL FABRIC COLORADO RIVER ROCK REFER TO PLAN FOR SIZE AND \Diamond INSTALL BELOW LANDSCAPE MULCH IN ALL PLANTING BEDS WEED CONTROL FABRIC MIRAFI (OR APPROVED EQUAL) MIRAFI 140N N/A DIMENSIONS 75% 2"-4" DIAMETER COBBLE AND 25% MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES. REFER TO DETAIL PIONEER SAND & GRAVEL (OR APPROVED EQUAL) GREY ROSE COBBLESTONE OR APPROVED EQUAL COBBLE SMOOTH / EARTH TONES 6"-12" COBBLE 1 ON SHEET L-5.01 **€** LANDSCAPE BOULDERS PIONEER SAND & GRAVEL OR LOCAL QUARRY 2'-4' DIAMETER BOULDERS NATURAL RIVER ROCK BOULDERS SEE DETAIL 2 ON SHEET L-5.01 INSTALL PER MANUFACTURER SPECIFICATION, ALSO SEE DETAIL 6 ON SHEET F EPIC PLASTICS (OR APPROVED EQUAL) BENDA BOARD EDGER SEE PLANS FOR LENGTH, EDGER 1"X6"X20' BENDA BOARD EDGER TEAK PIONEER SAND AND GRAVEL (OR APPROVED TO BE USED IN PERENNIAL BED AREAS, G WOOD MULCH NATURAL MINIMUM 3" DEPTH IN PERENNIAL BEDS GORILLA HAIR SHREDDED CEDAR MULCH EQUAL) SEE PLANS FOR AREA

NORRIS DESIGN
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SIETY TURN

OWNER:

Genesee Properties Inc, c/o Nicole Champine P.O. Box 63 Berthoud, CO 80513

NOT FOR CONSTRUCTION

DATE: 6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

SHEET TITLE:

OVERALL PLAN

L-1.3

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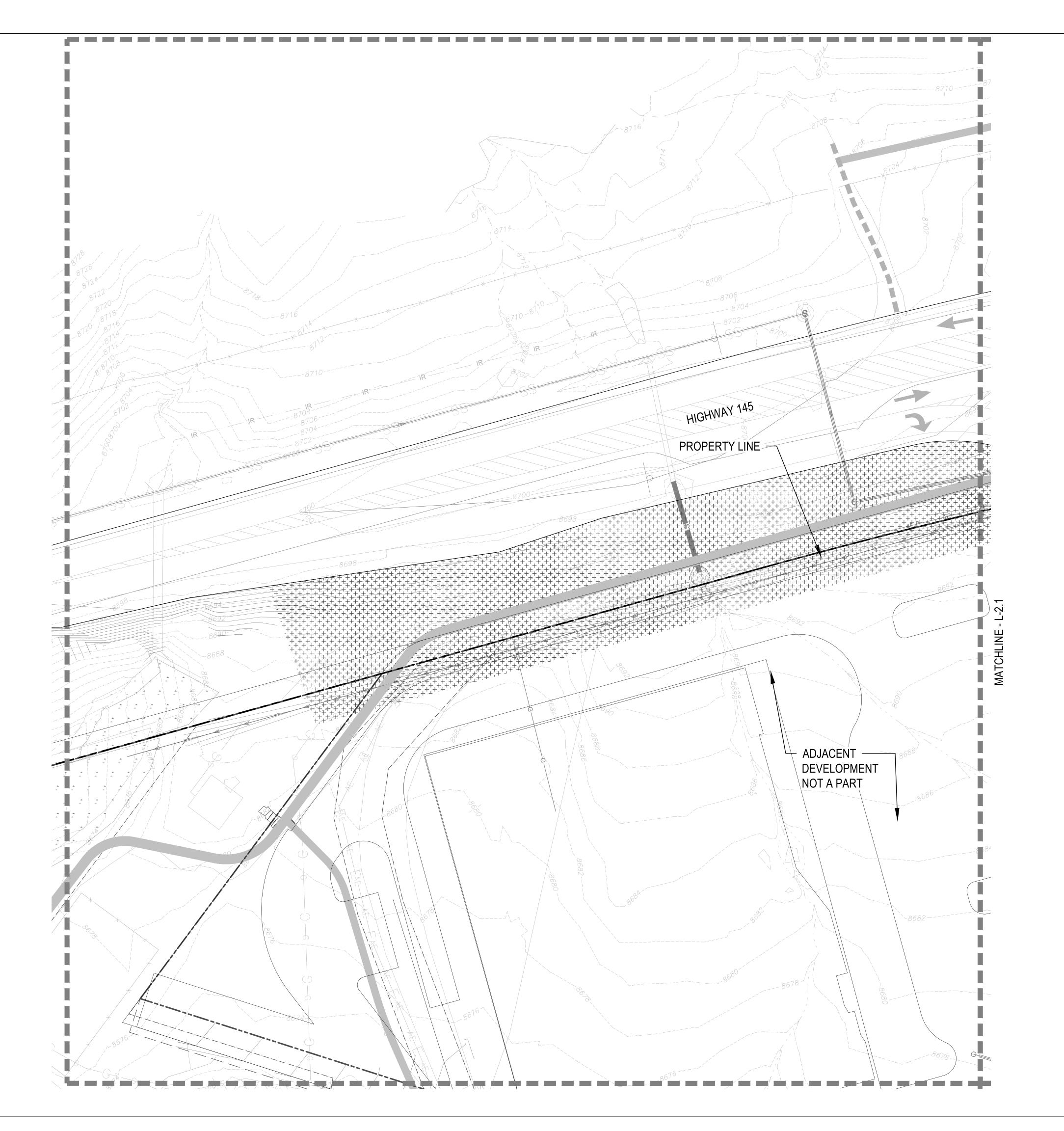
NOT FOR CONSTRUCTION

DATE:

6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

SHEET TITLE: LANDSCAPE PLAN

L-2.0



LEGEND DECIDUOUS TREE (SEE DETAIL 1, SHEET L-3.0) EVERGREEN TREE (SEE DETAIL 1, SHEET L-3.0) SHRUBS (SEE DETAIL 7, SHEET L-3.0) ORNAMENTAL GRASSES (SEE DETAIL 6, SHEET L-3.0)

> CONCRETE FLATWORK 🕎 LANDSCAPE BED & COBBLE 슚 PERMANENTLY IRRIGATED NATIVE SEED

TEMPORARY IRRIGATED NATIVE SEED

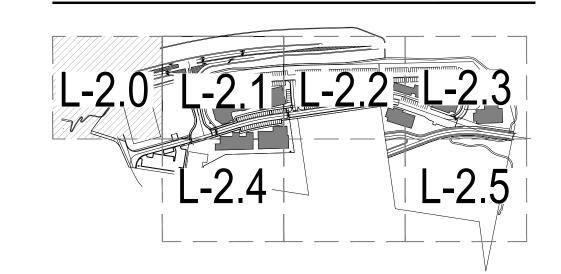
NON IRRIGATED NATIVE SEED BENDA BOARD EDGER (+) SPADE CUT EDGER _____ (SEE DETAIL 5, SHEET L-3.0)

LANDSCAPE BOULDERS 💠 PET STATION 🚯

STREET AND PARKING LOT LIGHT, REFER TO CIVIL PROPERTY LINE MATCHLINE LINE

GENERAL NOTE: EXTENTS OF LANDSCAPE AND IRRIGATION SHOWN FOR PROOF OF CONCEPT RELATIVE TO AVAILABLE NON-POTABLE WATER. SITE-SPECIFIC LANDSCAPE DESIGN FOR PLANNING AREAS 2-5 TO BE SUBMITTED WITH ARCHITECTURAL PLANS.

KEY MAP



TA/ES AZ NORRIS DESIGN

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DATE: 6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

9/22 RESUBMITTAL

SHEET TITLE: LANDSCAPE PLAN

L-2.1

TA/ES AZ

CHECKED BY: DRAWN BY: LEGEND

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DECIDUOUS TREE

EVERGREEN TREE

(SEE DETAIL 1, SHEET L-3.0)

(SEE DETAIL 7, SHEET L-3.0)

ORNAMENTAL GRASSES (SEE DETAIL 6, SHEET L-3.0)

CONCRETE FLATWORK 🕎

PERMANENTLY IRRIGATED NATIVE SEED

TEMPORARY IRRIGATED NATIVE SEED

NON IRRIGATED NATIVE SEED

BENDA BOARD EDGER

(SEE DETAIL 5, SHEET L-3.0)

LANDSCAPE BOULDERS 🔷

STREET AND PARKING LOT

LIGHT, REFER TO CIVIL

SPADE CUT EDGER

PET STATION 6

PROPERTY LINE

MATCHLINE LINE

LANDSCAPE AND IRRIGATION SHOWN

TO AVAILABLE NON-POTABLE WATER.

FOR PROOF OF CONCEPT RELATIVE

SITE-SPECIFIC LANDSCAPE DESIGN

FOR PLANNING AREAS 2-5 TO BE

L-2.0 L-2.1 L-2.2 L-2.3

SUBMITTED WITH ARCHITECTURAL

GENERAL NOTE: EXTENTS OF

LANDSCAPE BED (B)

(59,545 SF)

////////

PLANS.

KEY MAP

COBBLE (D)

(SEE DETAIL 1, SHEET L-3.0)

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an Miguel County, CO

OWNER:

Genesee Properties Inc, c/o Nicole Champine P.O. Box 63 Berthoud, CO 80513

NOT FOR CONSTRUCTION

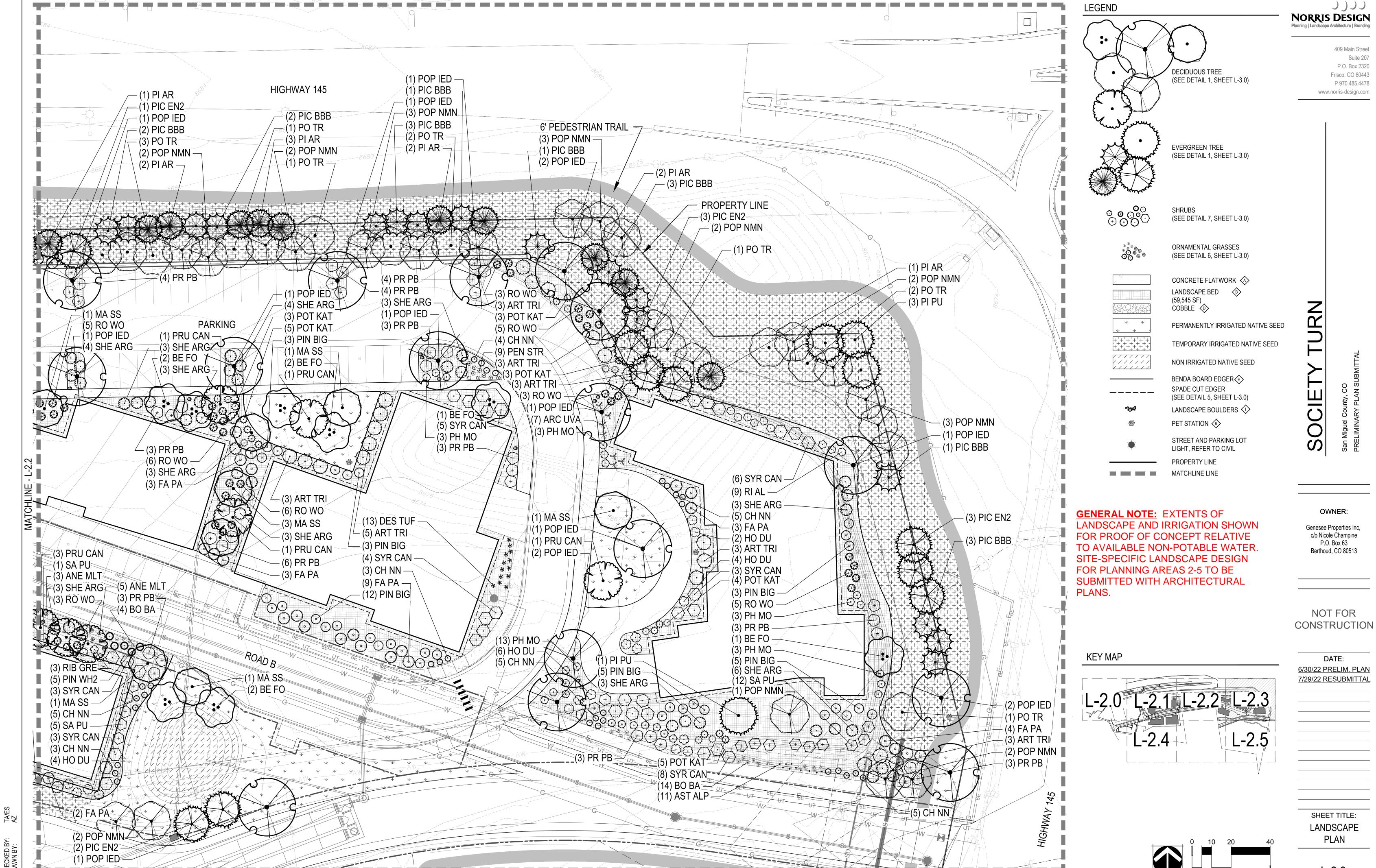
DATE: 6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

7/29/22 RESUBMITTAL

SHEET TITLE: LANDSCAPE PLAN

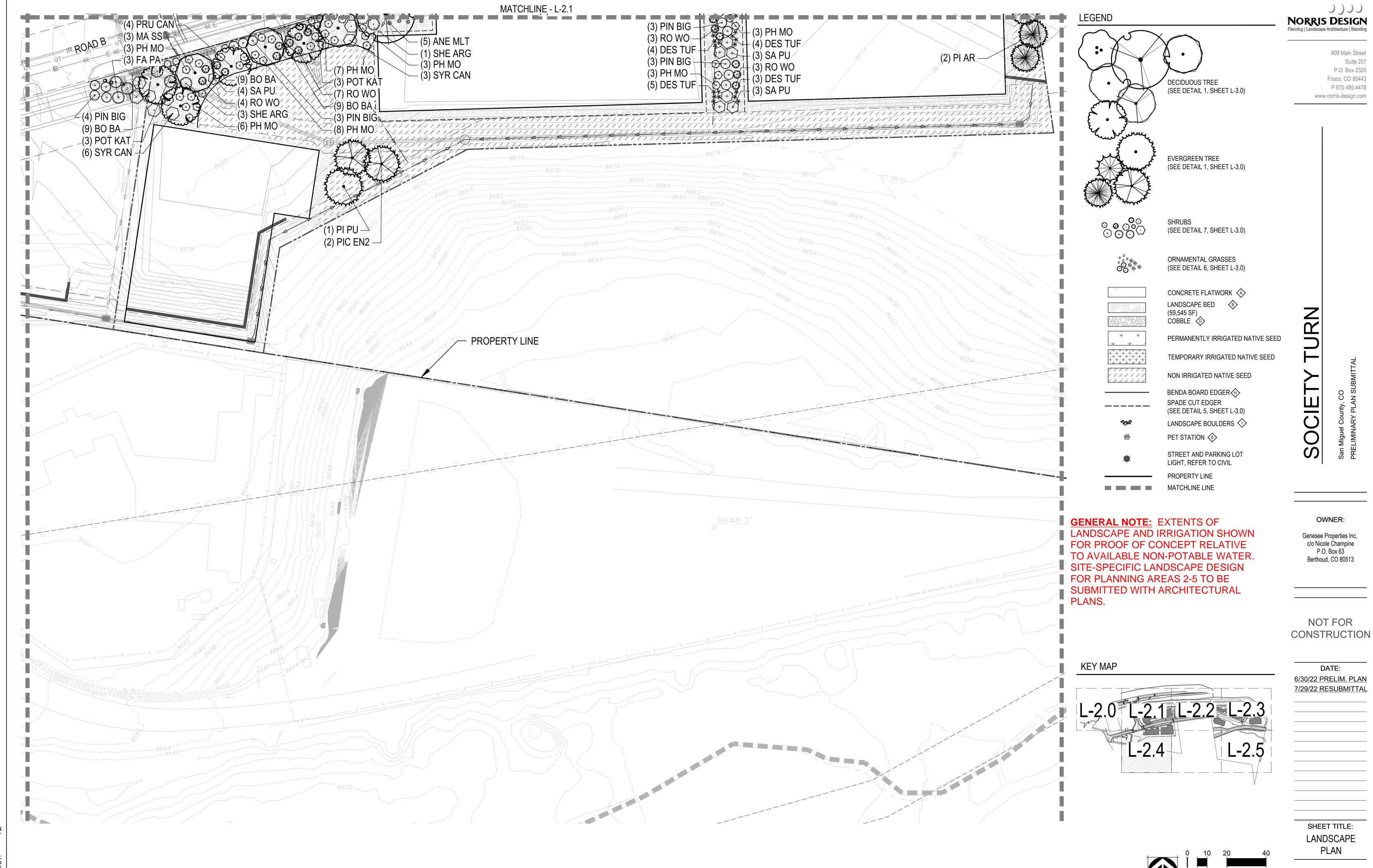
L-2.2

0 10 20 40 H SCALE 1" = 20'



MATCHLINE - L-2.5

L-2.3



L-2.4



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7/29/22 RESUBMITTAL

8" IN BED

SCALE: 1 1/2" = 1'-0"

SCALE: 3/4" = 1'-0"

6 UNDISTURBED SOIL

(5) BACKFILLED AMENDED SOIL

① SET SHRUB ROOT-BALL 1"

2 FINISH GRADE (TOP OF

MATERIAL SCHEDULE

MULCH)

HIGHER THAN FINISH GRADE

1) BOULDER, NATURALLY SET

SCHEDULE

TO PLAN

BOULDER SO THAT A MINIMUM 1/4 OF BOULDER IS BELOW

FINISH GRADE, SEE MATERIAL

(2) ADJACENT MATERIAL, REFER

COMPACTED TO 95% OF

STANDARD PROXY DENSITY

(3) 3" MINIMUM ROAD BASE

(4) UNDISTURBED GRADE

1X CONTAINER

HEIGHT

BROKEN OR CRUMBLING ROOT-BALLS WILL BE REJECTED.

2. CARE SHOULD BE TAKEN NOT TO DAMAGE THE SHRUB OR ROOT-BALL WHEN REMOVING IT FROM ITS CONTAINER.

3. ALL JUNIPERS SHOULD BE PLANTED SO THE TOP OF THE ROOT-BALL OCCURS ABOVE THE

2X CONTAINER WIDTH

FINISH GRADE OF THE MULCH LAYER.

4. DIG PLANT PIT TWICE AS WIDE AND AS HIGH AS THE CONTAINER. 5. PRUNE ALL DEAD OR DAMAGED WOOD PRIOR TO PLANTING, DO NOT PRUNE MORE THAN 20% OF LIMBS.

SHRUB PLANTING

1) GALVANIZED WIRE

SPECIFICATIONS

(4) PLANT TREE SO THAT FIRST

ABOVE FINAL GRADE

(5) 2'-0" RADIUS MULCH RING,

VENTERED ON TRUNK, 3"

DEPTH, ON TOP OF WEED

IN CONTACT WITH TREE

6 1:1 SLOPE ON SIDES OF

(7) REMOVE ALL TWINE, ROPE,

PLANTING HOLE

TRUNK, FINISHED GRADE

REFERENCES TOP OF MULCH

BURLAP AND WIRE FROM THE

ENTIRE ROOTBALL AND TRUNK

ORDER MAJOR ROOT IS 1"-2"

(9) 4-6" HIGH WATER SAUCER IN (2) PLACE MINIMUM 1/2" PVC PIPE AROUND EACH WIRE, EXPOSED WIRE SHALL BE MAXIMUM 2" EACH SIDE

NON-TURF AREAS (10) BACKFILL AROUND ROOTBALL (3) INSTALL STAKING PER

WITH PLANT MIX, PLANT MIX SHALL CONSIST OF EQUAL PARTS TOPSOIL, COMPOST, EXCAVATED SOIL, PLUS MYCORRHIZAL INOCULANT PER **SPECIFICATIONS**

(11) PLACE SOIL AROUND ROOT BALL FIRMLY, DO NOT COMPACT OR TAMP, SETTLE SOIL WITH WATER TO FILL ALL FABRIC, DO NOT PLACE MULCH AIR POCKETS

8 GROMMETED NYLON STRAPS

(12) PLACE ROOT BALL ON UNDISTURBED SOIL TO PREVENT SETTLEMENT

STAKE TREES PER DIAGRAM. AFTER A MINIMUM OF (3) THREE YEARS CONFIRM TREE IS ESTABLISHED. CHECK FOR ROOTBALL STABILITY. APPLY HAND PRESSURE TO TRUNK OF TREE,

WHEN ROOTBALL DOES NOT MOVE, REMOVE STAKING. a. 2" CALIPER SIZE AND UNDER DECIDUOUS AND ASPEN TREES - MINIMUM 2 STAKES - ONE ON N.W. SIDE, ONE ON S.W. SIDE (OR PREVAILING WIND SIDE AND 180° FROM THAT SIDE).

DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT

LEADERS AND BROKEN BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE

PRUNED. HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO

b. EVERGREEN TREES - 3 STAKES PER DIAGRAM. c. 3" CALIPER SIZE AND LARGER - 3 STAKES PER DIAGRAM.

ALL PRUNING SHALL COMPLY WITH ANSI A300 STANDARDS.

2. WIRE OR CABLE SHALL BE MINIMUM 12 GAUGE, TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. NYLON STRAPS SHALL BE LONG ENOUGH TO ACCOMMODATE 1-1/2" OF GROWTH AND BUFFER ALL BRANCHES FROM WIRE.

ADJUST STAKING, STRAPS AND GUY WIRES ANNUALLY.

TREATED WOOD POST PREFERRED. METAL T STAKES WITH PLASTIC SAFETY CAPS ACCEPTABLE WITH APPROVAL FROM OWNER.

TREE PLANTING DETAIL

BENDA BOARD EDGER

THE EDGE OF THE CROWN.

PRUNING NOTES:

STAKING NOTES:

1 FINISH GRADE

(2) ADJACENT LANDSCAPE, SEE LANDSCAPE PLANS FOR TYPE

ROOT BALL DIAMETER

(3) BENDA BOARD EDGER, SEE MATERIAL SCHDULE

(4) NATIVE SEED OR ADJACENT LANDSCAPE, REFER TO LANDSCAPE PLANS

5 SUBGRADE

6 EDGER STAKE, INSTALL PER **MANUFACTURER SPECIFICATIONS**

5 6 (2) SLOPE PER **GEOTECHNICAL** REPORT

PLAN VIEW - THREE STAKES

1. COBBLE DRIP LINE TO BE INCLUDED AROUND PERIMETER OF ALL BUILDINGS WHERE ROOF LINE EXTENDS AND SHEDS WATER / SNOW.

SCALE: 3/16" = 1'-0"

1 ADJACENT BUILDING

2 RIVER ROCK COBBLE, SEE MATERIAL SCHEDULE

WEED BARRIER FABRIC; 24" MINIMUM LAP JOINT

4 FINISH GRADE

(5) ADJACENT NATIVE GRASS OR LANDSCAPE BED, REFER TO LANDSCAPE PLANS FOR ADJACENT TREATMENT TYPE

(6) UNDISTURBED SUBGRADE

7 SPADE CUT EDGE OF DRIP LINE

1 SPECIFIED WOOD MULCH, SEE MATERIAL SCHEDULE

THESE ARE FREE STANDING BOULDERS ONLY. BOULDERS ASSOCIATED WITH THE BOULDER RETAINING WALLS, PARK ENTRY SIGNS AND INTERPRETIVE SIGNS ARE NOT INCLUDED IN THIS

2. THE OWNERS REPRESENTATIVE SHALL APPROVE LOCATIONS AND SIZES OF ALL BOULDERS PRIOR TO PLACING.

3. CONTRACTOR SHALL SUBMIT SAMPLE OR PHOTOS FOR APPROVAL

ANDSCAPE BOULDER

COBBLE DRIP LINE ON CENTER SPACING

1 TYPICALLY IRRIGATED TURFGRASS OR DRYLAND SEED

(2) VERTICAL SPADE CUT EDGE FILLED WITH SPECIFIED MULCH, TAPER EDGE OF BED SO MULCH IS DEEPER AGAINST SPADED EDGE.

N.T.S.

(3) SPECIFIED DEPTH OF MULCH (TYPICALLY 3"-4" DEEP), SEE MATERIAL SCHEDULE

4 PLANTING BED

(5) IRRIGATION HEADS SHOULD BE LOCATED ADJACENT TO MULCH BEDS, OFFSET HEAD INTO GRASS AREA TO ENSURE STABLE SUPPORT.

SECTION

(2) AMENDED PLANTING BED TILLED TO A DEPTH OF 6" (3) CENTER OF PLANT PLAN ON CURVE

1. WHEN PLANTED ON A CURVE, ORIENT ROWS TO FOLLOW THE LONG AXIS OF AREAS WHERE PLANTS ARE MASSED.

PERENNIAL PLANT LAYOUT

1. IF IRRIGATION HEAD IS LOCATED ADJACENT TO MULCH BEDS, OFFSET

HEAD INTO GRASS AREA TO ENSURE STABLE SUPPORT.

SCALE: 1/2" = 1'-0"

SCALE: 1" = 1'-0"

N.T.S.

SPADE CUT EDGE

L-3.0

SHEET TITLE:

LANDSCAPE

DETAILS

- PUMPING STATION: THERE IS (1) ONE PUMPING STATION ON THIS PROJECT LOCATED WITHIN THE LANDSCAPE PARKING ISLAND EAST OF UNDERGROUND CISTERN-SEE PLANS FOR LOCATION.
- CONTRACTOR IS TO INSTALL SUCTION LINE FOOT VALVE WITHIN THE UNDERGROUND IRRIGATION WATER CISTERN (PROVIDED BY OTHERS) AND EXTEND SUCTION LINE THROUGH CISTERN WALLS WITH BULKHEAD FITTINGS (REFER TO CISTERN ENGINEER FOR APPROVED FITTINGS/CONNECTION). EXTEND SUCTION LINE AND MAKE CONNECTION TO PROPOSED PUMPING STATION (LOCATION AS SHOWN PER PLANS).
- ALL PIPING FROM THE IRRIGATION PUMPING STATION DOWNSTREAM OF THE STATION DISCHARGE SHALL BE THE SAME SIZE AS THE DISCHARGE PIPE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES, OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS ASSOCIATED WITH THIS WORK. FINAL LOCATION OF PUMPING STATION SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 2. CONTROLLER LOCATION: THERE IS (1) ONE CONTROLLER ON THIS PROJECT.
 - CONTROLLER A: PEDESTAL MOUNTED CONTROLLER LOCATED ADJACENT TO THE PUMPING STATION.
 - CONTROLLER SHALL BE PROGRAMMED TO RUN MULTIPLE VALVES AT ONE TIME WITH A MAXIMUM TOTAL OF 25 GPM. CONTROLLER, TO BE MOUNTED PER DETAILS AND MANUFACTURER'S SPECIFICATIONS
 - CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND ELECTRICAL PLANS FOR POWER SERVICE. ALL ELECTRICAL EQUIPMENT AND POWER CONNECTION INSTALLATION SHALL CONFORM TO ALL LOCAL CODES. INSTALL A LINE VOLTAGE SURGE DEVICE (INTERMATIC AG2401C3/ OR SQUARE D SDSA1175) FOR 120V IN A JUNCTION BOX PRIOR TO
 - RAIN/FREEZE SENSOR: MOUNT THE RAIN SENSOR ON ADJACNET PARKING LOT POLE IN PROXIMITY TO THE CONTROLLER. THE SENSOR SHALL BE MOUNTED IN A LOCATION IN FULL SUN AND OPEN TO RAINFALL. SENSOR SHALL BE NO MORE THAN 200' FROM WIRELESS RECEIVER. MOUNT WIRELESS RECEIVER ON OR ADJACENT TO THE IRRIGATION CONTROLLER
- 2. SYSTEM PRESSURE: THE SYSTEM HAS BEEN DESIGNED PER THE FOLLOWING SPECIFICATIONS: REQUIRED MINIMUM STATIC PRESSURE OF 75 PSI AND MAXIMUM SAFE VELOCITY OF 5 FPS IN ANY PVC PIPE AND 7.5 FPS IN ANY COPPER PIPE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESSURE IN THE FIELD AT THE DISCHARGE BEFORE CONSTRUCTION OF THE IRRIGATION SYSTEM BEGINS AND FOR NOTIFYING THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE DESIGN PRESSURE OF THE SYSTEM AND THE MEASURED PRESSURE IN THE FIELD. IF THE CONTRACTOR FAILS TO NOTIFY OWNER'S REPRESENTATIVE OF SUCH DISCREPANCIES, THEN THE CONTRACTOR ASSUMES ALL LIABILITY AND COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS TO ACCOMMODATE THE ACTUAL PRESSURE.
- COMMUNICATION: IT IS RECOMMENDED THAT THE IRRIGATION CONTROLLER BE CONNECTED TO A WATER MANAGEMENT CONTROL SOFTWARE FOR OPTIMUM FUNCTION OF THE IRRIGATION SYSTEM. COORDINATE WITH OWNER'S REPRESENTATIVE AND CONTACT THE LOCAL CONTROLLER MANUFACTURER REPRESENTATIVE OR AUTHORIZED VENDOR PRIOR TO ORDERING CONTROLLER FOR COMMUNICATION AND CONNECTIVITY OPTIONS.

TWO WIRE NOTES

- GROUNDING FOR THE IRRIGATION CONTROLLER AND DECODERS ARE TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND PER THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS GUIDELINE 100-2002 FOR EARTH GROUNDING ELECTRONIC EQUIPMENT IN IRRIGATION SYSTEMS FOUND AT WWW.ASIC.ORG. FOR ADDITIONAL TECHNICAL SUPPORT REGARDING THE IRRIGATION CONTROLLER OR GROUNDING PLEASE CONTACT THE MANUFACTURER.
- DO NOT LOOP TWO WIRE PATH. STAR PATTERN FROM CONTROLLER FOR EACH BRANCH OF MAINLINE.
- CONTRACTOR IS RESPONSIBLE FOR GROUNDING THE TWO-WIRE PATH AT THE FOLLOWING LOCATIONS, BUT ARE NOT LIMITED TO:
- CONTROLLER TO BE GROUNDED INDEPENDENTLY FROM BUILDING.
- GROUND 1ST DECODER ON WIRE PATH FROM CONTROLLER. GROUND EVERY 8TH DECODER OR EVERY 500 FEET BETWEEN DECODERS, WHICH EVER LENGTH IS SMALLER.
- GROUND EVERY END OF WIRE PATH.
- 4. THE TWO-WIRE CONTROLLER REQUIRES EACH CONTROL VALVE AND SENSOR TO HAVE A DECODER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE PROPER DECODERS, SURGE SUPPRESSION AND GROUNDING. THE RAIN SENSOR AND FLOW SENSOR REQUIRE A SENSOR DECODER.
- 5. QTY OF STATIONS (VALVES) PER MANIFOLD REQUIRED DECODER
- SINGLE STATION FD-101TURF
- FLOW SENSOR SD-210TURF
- CONTROLLER TWO-WIRE PATH SHALL BE MANUFACTURER'S APPROVED WIRE OR APPROVED EQUAL
- 7. CONTRACTOR SHALL USE UL APPROVED WIRE STRIPPER AND WATERPROOF CONNECTIONS (DBR/Y OR APPROVED EQUAL) AT ALL SPLICES AND CONNECTIONS POINTS.
- PROVIDE 30" MINIMUM TWO WIRE PATH IN EACH VALVE BOX FOR MAINTENANCE.
- 9. CONTRACTOR SHALL INCLUDE TWO-WIRE RUN PATHS ON AS-BUILT DRAWINGS.

SLEEVING COORDINATION NOTES

- INSTALLATION OF IRRIGATION SLEEVING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR FOR LOCATION AND SIZING OF SLEEVES PRIOR TO THE START OF CONSTRUCTION.
- SLEEVES SHALL BE INSTALLED PRIOR TO THE START OF PAVING OPERATIONS.
- THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION DISTRIBUTION LINES, VALVE CONTROL WIRES AND COMMUNICATION WIRES UNDER ALL PAVED SURFACES, WALL FOOTERS, DRAINAGE CHANNELS, INLETS, CATCH BASINS, ETC.
- ALL SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND EDGE OF ALL OBSTRUCTIONS. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER ANY OBSTRUCTIONS.
- EACH PIPE SHALL BE IN A SEPARATE SLEEVE. WIRES SHALL BE IN A SEPARATE PIPE UNDER ALL PAVED SURFACES.
- SLEEVING SHALL BE INSTALLED PER THE SIZES AND QUANTITIES SHOWN ON THE PLANS BASED ON THE CHART BELOW.

REQUIRED SLEEVE SIZE 3" CLASS 200 PVC

MAINLINE PIPING LATERAL PIPING

2X NOMINAL DIAMETER OF LATERAL **CONTROL WIRES** 2" CLASS 200 PVC

IRRIGATION GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE IMPROVEMENTS SHOWN ON
- THE CONTRACTOR SHALL COORDINATE AS NECESSARY WITH THE GENERAL CONTRACTOR AND OWNER'S REPRESENTATIVE FOR SUCCESSFUL COMPLETION OF THIS WORK.
- ALL IRRIGATION EQUIPMENT IS TO BE AS SPECIFIED OR APPROVED EQUAL PER THE DISCRETION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR ASSUMES ALL LIABILITY ASSOCIATED WITH THE MODIFICATION OF THE IRRIGATION SYSTEM DESIGN WITHOUT NOTIFYING THE OWNER'S REPRESENTATIVE.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT A THOROUGH SITE INSPECTION AND REVIEW OF THE PROJECT CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: LANDSCAPE PLAN, UTILITY PLAN, CIVIL UTILITY PLAN, ARCHITECTURE PLAN, GRADING AND DRAINAGE PLAN AND ALL OTHER ASSOCIATED PLANS AND SPECIFICATIONS THAT AFFECT THIS WORK PRIOR TO START OF WORK. IF THE AND CONTRACTOR OBSERVES ANY DISCREPANCIES AMONG THE CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITIONS ON SITE, IT IS THEIR RESPONSIBILITY TO CONTACT THE OWNER'S REPRESENTATIVE
- 5. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL PUBLIC AND PRIVATE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. IF THE CONTRACTOR FAILS TO DO SO AND DAMAGES ANY UNDERGROUND UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY REPAIR WORK ASSOCIATED WITH SAID DAMAGES
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADEQUATE VERTICAL AND HORIZONTAL SEPARATION BETWEEN ALL IRRIGATION DISTRIBUTION LINES AND ALL UTILITIES (EXISTING OR PROPOSED), CONDUIT, STORM WATER COMPONENTS, DRAINS, ETC.
- 7. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE REGULATIONS AND INSTALL THE IRRIGATION SYSTEM AND ITS COMPONENTS PER MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS REQUIRED BY ANY LOCAL AND STATE AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE
- IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN LANDSCAPE AREAS AND WITHIN THE PROJECT LIMITS. EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN FOR GRAPHIC CLARITY ONLY. IF THERE IS A QUESTION REGARDING THE LOCATION OF ANY COMPONENT OF THE IRRIGATION SYSTEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR NEGLECTS TO NOTIFY THE NECESSARY PARTIES, THE CONTRACTOR SHALL PAY FOR ANY REPLACEMENT OR MODIFICATION TO ENSURE PROPER LOCATION AND OPERATION OF THE IRRIGATION SYSTEM
- 9. ALL IRRIGATION DISTRIBUTION LINES AND EQUIPMENT INCLUDING BUT NOT LIMITED TO, MAINLINE, LATERALS, SPRAY HEADS, DRIP EMITTERS SHALL BE KEPT A MINIMUM DISTANCE OF 6' AWAY FROM ALL BUILDING AND WALL FOUNDATIONS, OR AS STIPULATED IN THE GEOTECHNICAL REPORT, WHICHEVER IS GREATER. EQUIPMENT MAY BE SHOWN IN THIS AREA FOR GRAPHIC CLARITY. COORDINATE ALL REQUIRED SETBACKS WITH OWNER'S REPRESENTATIVE PRIOR TO START OF WORK
- 10. EACH VALVE SHALL BE INSTALLED IN A SEPARATE VALVE BOX AS DETAILED. ALL VALVE BOXES AND LIDS SHALL BE COMMERCIAI GRADE, PLASTIC WITH SELF LOCKING COVERS. LID COLOR TO BE PURPLE. INSTALL FLUSH TO FINISH GRADE AND PER CONSTRUCTION DETAILS. DO NOT INSTALL IN PAVED AREAS OR IN BOTTOMS OF DRAINAGE SWALES/BASINS
- 11. CONTRACTOR SHALL INSTALL DETECTABLE MARKING TAPE OR #14g DIRECT BURY TRACER WIRE IN ALL PRESSURE MAINLINE TRENCHES. SEE IRRIGATION DETAILS FOR MORE INFORMATION.
- 12. PLANT MATERIAL LOCATIONS TAKE PRECEDENCE OVER ROUTING OF IRRIGATION PIPING. COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL
- 13. THE CONTRACTOR SHALL MARK THE LOCATION OF THE MAINLINE, CONTROL VALVES, GATE VALVES AND HEAD LAYOUT OF A
- REPRESENTATIVE SPRAY ZONE. SCHEDULE A REVIEW WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. 14. INSTALL SCH. 40 BALL WITH OPERATIONAL INDICATOR AT ENDS OF ALL DRIP LATERALS AS DETAILED. FLUSH ALL LATERALS
- THOROUGHLY BEFORE INSTALLING EMITTERS AND BUBBLERS. 15. CONTRACTOR SHALL FINE TUNE AND ADJUST NOZZLE DIRECTION AND RADIUS TO REDUCE OVERSPRAY ONTO PAVING OR HARD
- CONTRACTOR SHALL INSTALL A QUICK COUPLER IN 10" VALVE BOX AT THE END OF ALL BRANCHES OF THE MAINLINE, OR AS SHOWN
- ON PLANS. FOR WINTERIZATION AND FLUSHING OF MAINLINE. 17. THE CONTRACTOR SHALL PERFORM A PRESSURE TEST ON ALL MAINLINES. CONTRACTOR SHALL PRESSURIZE MAINLINES TO 120 PSI AND MAINTAIN PRESSURE AT 120 PSI FOR A MINIMUM CONTINUOUS PERIOD OF TWO (2) HOURS TO ACHIEVE FINAL ACCEPTANCE.
- 18. THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO OPERATE DURING A THREE(3) NIGHT PER WEEK, SIXTEEN(16) HOURS PER NIGHT WATERING WINDOW. DRIP IRRIGATION ZONES MAY BE ALLOWED TO RUN ON A SEPARATE SCHEDULE FROM THIS WATER WINDOW DEPENDING JURISDICTION. LANDSCAPE ESTABLISHMENT WILL REQUIRE INCREASED IRRIGATION WATER FOR DURATION OF THE ESTABLISHMENT PERIOD AND MAY REQUIRE TWICE THE AMOUNT OF WATER AS ESTABLISHED PLANT MATERIAL. THE CONTRACTOR SHALL COORDINATE WATERING SCHEDULES AND APPLICATION RATES WITH THE OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE.
- 19. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED PEAK SEASON WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND VARIABLE WEATHER CONDITIONS.
 - FESCUE/BLUEGRASS BLEND TURF 1.75" PER WEEK PEAK SEASON
 - TREE, SHRUB, AND PERENNIAL PLANT MATERIAL 1.00" PER WEEK PEAK SEASON
- NATIVE DRAUGHT TOLERANT SEED MIX 0.75" PER WEEK PEAK SEASON
- 23. THE CONTRACTOR SHALL PROVIDE A SEASONAL MAINTENANCE SCHEDULE WHICH SHALL BEGIN ON MAY 1ST AND END ON SEPTEMBER 30TH TO ENSURE THE EFFICIENCY AND LONGEVITY OF THE IRRIGATION SYSTEM. THE MAINTENANCE SCHEDULE SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING LIST OF BEST MANAGEMENT PRACTICES:
 - CHECK HEADS FOR COVERAGE AND LEAKAGE.
- CHECK CONTROLLER PROGRAMMING AND ADJUST FOR SEASONAL CHANGES AS NECESSARY.
- VERIFY THAT THE WATER SUPPLY AND PRESSURE ARE AS STATED IN THE DESIGN. CERTIFY THE BACKFLOW PREVENTION DEVICE AND SUBMIT TEST RESULTS TO THE PROPERTY MANAGER.
- PERIODICALLY VERIFY THE THE SENSORS IN THE IRRIGATION SYSTEM ARE OPERATING CORRECTLY.
- WINTERIZATION AND SPRING START UP PROCEDURES.

EXISTING TREE NOTES

- ALL TRENCHING OR OTHER WORK UNDER LIMB SPREAD OF ANY AND ALL PLANT MATERIAL SHALL BE DONE BY HAND, BORING OR BY OTHER METHODS SO AS TO PREVENT DAMAGE TO LIMBS OR BRANCHES.
- 2. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES AND TREE ROOTS.
- EXCAVATION AND TRENCHING, IN AREAS WHERE 2" AND LARGER ROOTS OCCUR, SHALL BE DONE BY HAND

ADJACENT TO TREE SHALL BE KEPT SHADED WITH MOISTENED BURLAP OR CANVAS UNTIL BACKFILL

- 4. ROOTS 2" OR LARGER IN DIAMETER SHALL BE TUNNELED UNDER AND SHALL BE HEAVILY WRAPPED WITH BURLAP TO PREVENT SCARRING OR EXCESSIVE DRYING.
- ROOTS SMALLER THAN 2" IN DIAMETER SHALL BE HAND TRIMMED AT THE WALL OF TRENCH, MAKING CLEAN CUTS THROUGH ROOTS. TRENCHES ADJACENT TO TREES SHALL BE CLOSED WITHIN 24 HOURS, AND WHEN THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH

P RRIGATION PUMPING STATION		PRECISION PUMPING SYSTEMS MAKE / MODEL / ETC TBD				X	LI-3.0
			RAIN BIRD ESP-LXD + LXMMSSPED + IQ NCC 4G				
С	CONTROLLER 120VAC POWER REQUIRED - SEE PLANS FOR LOCATION(S)				1 1	LI-3.	
	RAIN	RAIN BIRD WR2-RFC					
♦ SENSOR		REFER TO CONTROLLER NOTES					LI-3.
⊚	MANUAL DRAIN VALVE	MATCO-NORCA 3/4" 201Y					LI-3.
•••	WANUAL DRAIN VALVE	INST	INSTALLED IN AEP 910L-1G2G VALVE BOX				
H	ISOLATION GATE	MATCO-NORCA 514TX					LI-3.
	VALVE		CH LINE SIZE, INSTALLED IN	AEP 910L-1G2G VALV	E BOX	4	LI 0.
0	QUICK		BIRD 44NP	NIVE DOV		5	LI-3.
	COUPLER	INSTALLED IN AEP 910L-1G2G VALVE BOX					
•	TURF VALVE ASSEMBLY	RAIN BIRD-PESB-R SERIES WITH SCH 40 BALL VALVE, AND FD-101 TURF INSTALLED IN AEP 1015-1G2G VALVE BOX, SIZED PER PLAN				6	LI-3.
\oplus	DRIP VALVE ASSEMBLY	RAIN BIRD XCZ-100-PRB-R WITH SCH 40 BALL VALVE, AND FD-101TURF INSTALLED IN AEP 1320-1G2G VALVE BOX, SIZED PER PLAN				9	LI-3.
©	GROUNDING / LINE SURGE SUPRESSION	WITH	COPPER-CLAD GROUNDING ROD WITH WATERPROOF WIRE CONNECTORS AND FD-101TURF SURGE ARRESTING DECODER, INSTALLED IN AEP 910L-1G2G VALVE BOX.				LI-3.2
13 29 23 39 49 59 69 89						2	LI-3.2
MPCORNER (T)							
MP1000 (M) () () () () () () () () ()	NATIVE SEED ROTARY		TER PROS-12-PRS40-CV-R V ZLE PER PLAN	VITH HUNTER MP SER	IES NOZZLE	3	LI-3.2
Q T H F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	↑ ↑ NATIVE SEED HUNTER PROS-12-PRS30-CV-R WITH PRO-SPRAY FIXED SERIES NOZZLE ↑ PROS-12-PRS30-CV-R WITH PRO-SPRAY FIXED SERIES NOZZLE ↑ NOZZLE PER PLAN				3	LI-3.2	
8 (1) 12 (5)	NATIVE SEED SPRAY (ADJ)		HUNTER PROS-12-PRS30-CV-R WITH PRO-ADJUSTABLE SERIES NOZZLE NOZZLE PER PLAN				
⊠ ■ 0.25 0.50 □ ■ 1.00 2.00	TREE ROOT ZONE (2) HUNTER PROS-04-PRS30-CV-R ASSEMBLIES PER TREE WATERING KIT BUBBLER NOZZLE TBD				4	LI-3.2	
1.00 2.00	SLEEVING CLASS 200 PVC REFER TO SLEEVING NOTES					7	LI-3.
SUCTION SCH			SIZE: X" UNLESS OTHERWISE NOTED				
	PVC	CLASS 200 PVC BE (PURPLE)					
	MAINLINE	SIZE: 1.5" UNLESS OTHERWISE NOTED				8	LI-3.
	PVC TURF	CLASS 200 PVC BE (PURPLE)					LI-3.
	LATERAL	SIZE	: 1" MINIMUM UNLESS OTHE	RWISE NOTED		8	LI-J.
	PVC TREE		SS 200 PVC (PURPLE)			8	LI-3.
	LATERAL	SIZE: 1" UNLESS OTHERWISE NOTED					
	DRIP		ESISTANT POLYETHYLENE	•		5-7	LI-3.2
1	LATERAL FLUSH END		: 3/4" MINIMUM UNLESS OTH E END FLUSH CAP & OPERA				
	CAP		ALLED IN AEP 910L-1G2G VA			8	LI-3.2
V/	ALVE CALLOUT			EMITTER SCI	HEDUI F		
	VALVE/STATION NUMBE	R	PLANT TYPE	EMITTER	QTY.	TOTA	
ZONE DESIGNATION: T (TREES), S (SHRUBS), G (TURF), N (NATIVE), X (MISC) VALVE FLOW: (GPM)			PERENNIAL / GRASSES	0.5 GPH	TWO EACH	TOTAL GPH 1.0 GPH	
						2.0 GPH	
				IDUOUS SHRUBS 1.0 GPH TWO EACH			
			EVERGREEN SHRUBS	1.0 GPH	TWO EACH	2.0 GPI	
			DECIDUOUS TREE	1.0 GPH	EIGHT EACH	8.0 GPH	
			EVERGREEN TREE	1.0 GPH	EIGHT EACH	8.0 GPH	
VALVE SIZE TREES IN NATIVE (2) BUBBLER ASSEMBLIES PER TREE-SEE SC						SCHE	DULE
4 ALL DI ANIT ***	TEDIAL CUALL DE IDDIC :		EMITTER NOT		TIMO EMITTERO		

IRRIGATION SCHEDULE

SYMBOL

DESCRIPTION

IRRIGATION

MODEL NO.

DESCRIPTION

PRECISION PUMPING SYSTEMS

GENERAL NOTE: EXTENTS OF LANDSCAPE AND IRRIGATION SHOWN FOR PROOF OF CONCEPT RELATIVE TO AVAILABLE NON-POTABLE WATER. SITE-SPECIFIC LANDSCAPE DESIGN FOR PLANNING AREAS 2-5 TO BE SUBMITTED WITH ARCHITECTURAL PLANS.

1. ALL PLANT MATERIAL SHALL BE IRRIGATED WITH RAIN BIRD XB SERIES PRESSURE COMPENSATING EMITTERS.

4. RAIN BIRD DBC-025 DIFFUSER BUG CAP AND TS-025 STAKE ON ALL 1/4" DISTRIBUTION TUBING EMISSION POINTS.

NEEDS OF INDIVIDUAL PLANTS OR PLANT HYDROZONES.

5. REFER TO DRIP IRRIGATION DETAILS LI-3.2

3. 1/4" DISTRIBUTION TUBING NOT TO EXCEED 8' IN LENGTH.

2. EMITTER SCHEDULE IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL ADJUST EMITTER AND NUMBER OF EMITTERS BASED ON THE

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CONSTRUCTION

DATE:

LI-1.0

LI-1.1

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DATE:

6/30/22 PRELIM. PLAN 7/29/22 RESUBMITTAL

SHEET TITLE:

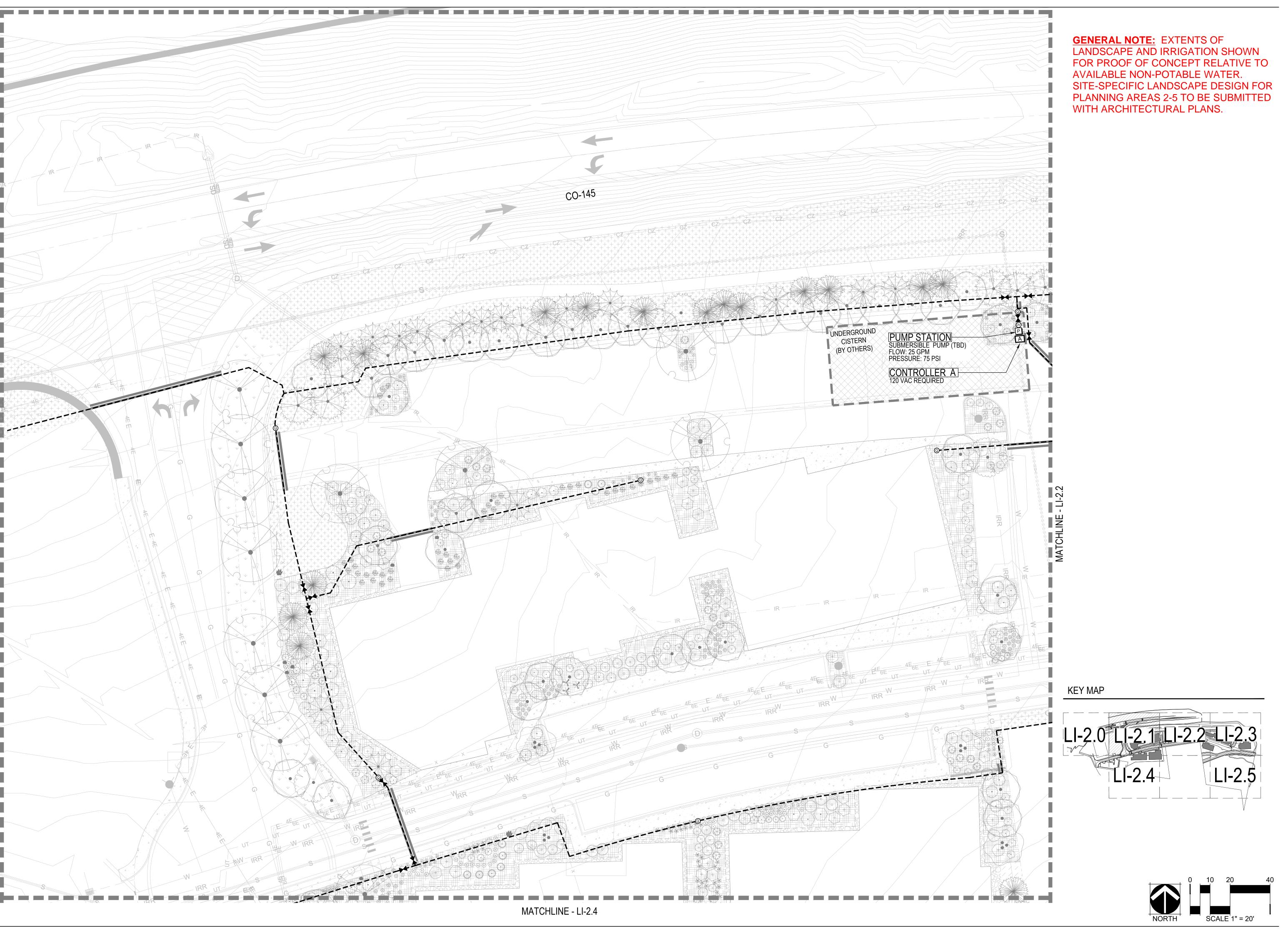
IRRIGATION PLAN

LI-2.0

0 10 20 40 NORTH SCALE 4" - 20'

KEY MAP

LI-2.0 LI-2.1 LI-2.2 LI-2.3



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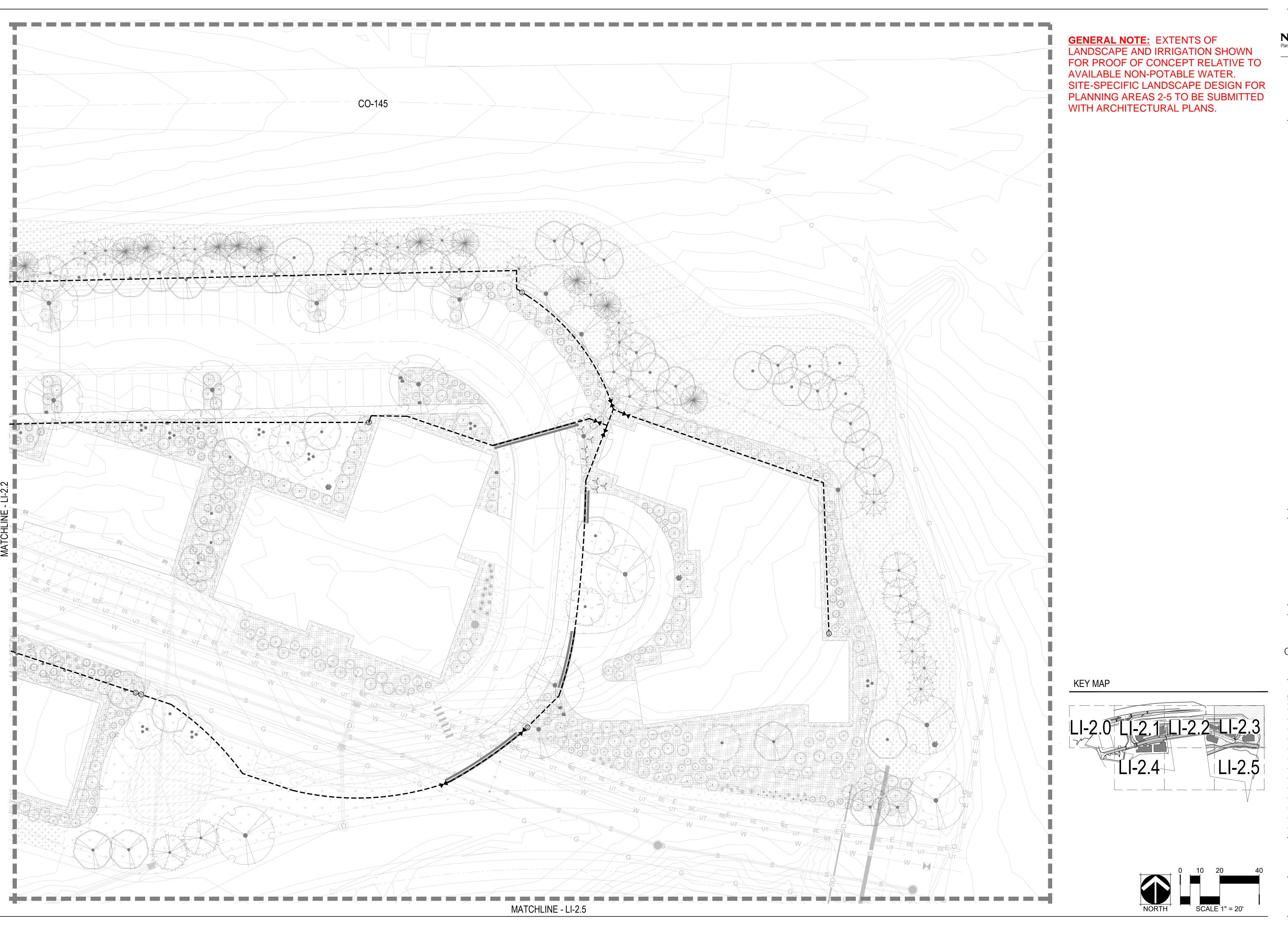
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IRRIGATION PLAN



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SHEET TITLE:

LI-2.4

PLAN

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SHEET TITLE: IRRIGATION PLAN

MANUFACTURER'S SPECIFICATIONS.

2. PROVIDE LOCK AND KEY FOR ENCLOSURE.

3. GROUND CONTROLLER PER LOCAL CODE, MANUFACTURER AND ASIC SPECIFICATIONS. 4. PROVIDE WATERPROOF SEALANT FOR ALL CONDUIT AND WIRE ACCESS POINTS.

1. ALL ELECTRICAL AND CONTROLLER WIRE TO BE INSTALLED PER LOCAL CODE AND

CONTROLLER PEDESTAL

(1) LOCKING ROUND BOX & COVER PER SCHEDULE. TOP OF BOX TO BE FLUSH WITH FINISH GRADE

2 FINISH GRADE

1 METAL ENCLOSURE

CONTROLLER PER SCHEDULE

ENCLOSURE PER SCHEDULE

CONDUIT: SIZE, TYPE, DEPTH

(4) GROUND WIRE CONDUIT MIN.

1-1/2". GROUND PER ASIC

(5) 6" THICK CONCRETE BASE WITH

SLEEVES FOR CONDUIT

(7) CONDUIT FOR DIRECT BURY

CONTROL WIRES. EXTEND

CONDUIT 5' FROM CONTROLLER

SCALE: NTS

(2) METAL PEDESTAL MOUNT

(3)1" ELECTRICAL SUPPLY

PER LOCAL CODE

GUIDELINES.

6 FINISH GRADE

(3) 8" SCH 40 PVC ACCESS SLEEVE LENGTH AS REQUIRED.

(4) GATE VALVE W/ CROSS HANDLE AND SOLID WEDGE DISC PER SCHEDULE

(5) 3/4" GRAVEL SUMP FILL IN AND AROUND BOX AS REQUIRED.

(6) 3" DEPTH 3/4: GRAVEL EXTEND 6" BEYOND EDGE OF BOX

7 PVC MAINLINE

8 COMPACTED SUBGRADE

1. COMPACT SOIL AROUND GATE VALVE ASSEMBLY TO THE SAME DENSITY AS ADJACENT

2. DO NOT REST VALVE BOX OR ACCESS SLEEVES ON MAINLINE OR LATERAL LINE.

3. PROVIDE GATE VALVE KEY - LENGTH AS REQUIRED.

GATE VALVE 2" AND SMALLER

UNDISTURBED SUBGRADE

AS ADJACENT UNDISTURBED SUB-GRADE. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

QUICK COUPLER

1 PAVING (2) WRAP 12 GAUGE GALVANIZED WIRE AROUND EACH END OF SLEEVE (10 WRAPS MIN.) AND EXTEND TO SURFACE AS A LOCATING DEVICE

SCALE: NTS

(3) FINISH GRADE / TOP OF DG

(4) COMPACT SOIL AROUND SLEEVE TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL

(5) WASHED AND GRADED MORTAR SAND BACKFILL IN ROCKY SOIL CONDITIONS

6 PVC SLEEVE PER SCHEDULE, TWICE DIAMETER OF THE SUM OF THE PIPES/ WIRES

(7) EXTEND SLEEVES 6" BEYOND EDGES OF PAVING

3. MULTIPLE SLEEVES REQUIRE 4" HORIZONTAL SEPARATION WITHIN SAME SLEEVE TRENCH.

18" MIN. DEPTH

24" MIN. DEPTH

FOR MAINLINE

4. IRRIGATION PIPE AND WIRE SHALL NOT SHARE THE SAME SLEEVE.

5. MARK / STAMP - 'X' AND/OR INSTALL PLACARD AT BACK OF CURB.

1. ALL SLEEVES SHALL BE INSPECTED PRIOR TO BACKFILLING.

PIPE SLEEVE

2. CAP SLEEVES UNTIL USE.

STEEL POST. COLOR TO BE POWDERCOAT BLACK

2" SQ., 12 GUAGE GALVANIZED

(1) WIRELESS RAIN SENSOR, LOCATE

WITHIN 500' OF THE

CONTROLLER.

(3) CONCRETE BASE-FORM WITH SONOTUBE OR EQ. POST SHALL BE CENTERED WITHIN BASE. ALL CONCERET SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS OR PER SOILS REPORT

(4) COMPACTED SUBGRADE

1 FINISH GRADE

SCHEDULE

(6) PVC SWING JOINT

7 PVC MAINLINE

(2) 10" ROUND BOX & COVER PER

SCHEDULE. TOP OF BOX TO

FLUSH WITH FINISH GRADE

(3) QUICK COUPLING VALVE W/

LOCKING COVER PER

(4) SCH. 80 PVC RISER (T x T)

(5) 3" DEPTH 3/4" GRAVEL BASE

(8) 24" LONG #4 REBAR TO HOLD

QUICK COUPLER IN PLACE W/ (2) STAINLESS STEEL CLAMPS

EXTEND 6" BEYOND EDGE OF

1. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE. 2. LOCATE DRAIN VALVE AT POINT OF CONNECTION AND AT ALL LOW POINT(S) ALONG THE IRRIGATION MAINLINE AS NEEDED.

MANUAL DRAIN VALVE

CONNECTION TO SOLENOID

CONTROL VALVE DECODER

(4) 3" DEPTH 3/4" CRUSHED GRAVEL

8 9 1011

1. BUNDLE & TAPE WIRE EVERY 10 FT. SEAL WIRE ENDS WITH WATERPROOF SPLICING

2. 30" MINIMUM LENGTH OF CONTROL WIRE, COILED AND PLACED IN BOX AT WATERPROOF

3. INSTALL DECODER PER MANUFACTURE'S SPECIFICATIONS FOR WIRING AND GROUNDING.

Drip valve to pvc connection

Refer to legend for type of

connection required

SCHEDULE. TOP OF BOX TO BE FLUSH WITH FINISH GRADE.

10" LOCKING ROUND

BOX & COVER PER

2 2" VALVE MARKER

(3) 2" CL160 PVC ACCESS SLEEVE LENGTH AS REQUIRED.

6" BEYOND EDGE OF BOX

(5) PVC PRESSURE MAIN LINE

6 SCH. 80 TEE PER MAINLINE SIZE. ALIGN IN A DOWNWARD POSITION

(7) SCH. 80 PVC NIPPLE

(8) FINISH GRADE

(9) 1" BRONZE STOP VALVE WITH SLOTTED KEY OPERATOR

(10) SCH. 80 PVC ELL

(11) SCH. 80 PVC NIPPLE

(12) 3/4" GRAVEL SUMP - 1 CU. FT. MIN

(13) SOIL BLANKET ENCLOSING SUMP AMOCO ENG. FABRIC 4545 - 4.5

OZ. OR EQUAL

SCALE: NTS

(2) BRICK SUPPORT (4 MIN.)

(3) CONTROL WIRE

1)PVC MAINLINE

(4) COMMON WIRE TO NEXT VALVE(S)

(5)PVC LATERAL W/ MALE ADAPTER

(6) SCH. 80 PVC UNION (THREADED)

7) WATERPROOF CONNECTORS

(8) TWO-WIRE DECODER

(9) CONTROL VALVE

(10)(4) SCH. 80 PVC NIPPLE/ RISER

(11) SCH. 80 PVC BALL VALVE

(12)LOCKING VALVE BOX

(13) FINISH GRADE

(14)PVC ELBOW (TxT)

(15)3/4" GRAVEL SUMP - 4" DEPTH

(16) PVC TEE (SxSxT)

(8) (1) WATERPROOF CONNECTORS

-9 2 30" COIL OF WIRE MINIMUM

PLACED IN BOX

(2) SCH. 80 PVC UNION

THREADED)

-(12) ⁽⁵⁾ PVC LATERAL

Drip valve to poly connection

Refer to legend for type of connection required

4 PVC COUPLING (FPTxFPT)

SCALE: NTS

NOT FOR

OWNER:

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6 BRICK SUPPORT (4 MIN) (7) 4" DEPTH GRAVEL SUMP (8) VALVE BOX PER LEGEND,

(9) CONTROL VALVE PER LEGEND

FLUSH TOP OF BOX W/ GRADE

10 SCH. 80 PVC BALL VALVE

(11) CONTROL AND COMMON

WIRES FROM CONTROLLER

(12) SCH. 80 TEE (SxSxT)

(13) PVC MAINLINE

SHEET TITLE: **IRRIGATION DETAILS**

SCALE: NTS

DRIP CONTROL ZONE KIT

BUNDLE & TAPE WIRE EVERY 10 FT. SEAL

WIRE ENDS w/ WATERPROOF SPLICING

2. 30" MINIMUM LENGTH OF CONTROL WIRE

 SNAKE PVC OR POLYETHYLENE PIPE IN TRENCH (2) EXCAVATED COVER MATERIAL (SEE NOTES)

SCALE: NTS

3 FINISH GRADE

(4) MAINLINE MARKING TAPE (PURPLE MARKING TAPE IF RECLAIMED)

5 POLYETHYLENE DRIP LATERAL/ DRIP PVC LATERAL PIPE (6" MIN. COVERAGE, 18" MIN. COVERAGE BELOW PEDESTRIAN WALKS.)

1. ALL MAINLINES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER' SPECIFICATIONS. (6) IRRIGATION LATERAL PIPE

(7) IRRIGATION MAINLINE PIPE

(8) VALVE WIRING

(9) BEDDING MATERIAL (SEE NOTES)

SCALE: NTS

COILED AND PLACED IN BOX AT WATER PROOF CONNECTION TO SOLENOID. INSTALL DECODERS PER MANUFACTURER'S LPVC TO POLY SPECIFICATIONS FOR WIRING AND FITTING GROUNDING.

FLOW

MATERIAL

SECTION

PIPE TRENCH

WATER, BETWEEN LIFTS.

PLAN

SCALE: NTS

TA/E

5. BUNDLE AND TAPE WIRING AT 10' INTERVALS

4

1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

RAIN SENSOR POLE MOUNT

3. FINAL LOCATION AND MOUNTING SYSTEM TO BE APPROVED BY OWNER.

EACH QUICK COUPLER SHALL BE IN A SEPARATE VALVE BOX.

PROVIDE (1) QUICK COUPLER KEY FOR EACH QUICK COUPLER VALVE.

COMPACT SOIL AROUND GATE VALVE ASSEMBLY TO THE SAME DENSITY

2. ALL PVC PIPING TO BE SNAKED IN TRENCHES AS SHOWN IN PLAN VIEW ABOVE.

VALVE WIRES TO BE INSTALLED WITHIN MAINLINE TRENCH WHEREVER POSSIBLE

4. ALL ELECTRICAL WIRE CONNECTIONS TO VALVES AND SPLICES TO BE INSTALLED WITHIN A

VALVE BOX AND MADE WITH DBY WATERPROOF CONNECTORS, OR APPROVED EQUAL

7. BEDDING MATERIAL SHALL BE 1/4" MINUS SAND, AND SHALL BE 3" BELOW LOWEST PIPE OR

10. EXCAVATED COVER MATERIAL SHALL BE FREE FROM DEBRIS AND ROCKS 1/2" OR GREATER.

11. PIPE BEDDING MATERIAL TO BE ROCK AND DEBRIS FREE, BACKFILL IN 6" LIFTS, PUDDLE WITH

3. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED AS PER LOCAL CODES.

WIRE AND 3" ABOVE HIGHEST PIPE OR WEIR WITHIN TRENCH.

9. BEDDING IS NOT REQUIRED IN POLYETHYLENE TUBING TRENCHES.

8. BEDDING MATERIAL SHALL BE IN MAINLINE TRENCH ONLY.

QUICK COUPLER SHALL HAVE LOCKING RUBBER COVER. COLOR PER LEGEND.

2. SLOPE TOP OF FOOTER AWAY FROM POLE.

SYSTEM OR UNDER EAVE OF HOUSE

12" DIA.

4. SENSOR SHOULD NOT BE MOUNTED UNDER TREES, IN AREAS AFFECTED BY SPRINKLER

LI-3.1

409 Main Street

P.O. Box 2320

Frisco, CO 80443

P 970.485.4478

www.norris-design.com

Suite 207

4 GROUNDING ROD: 10 OHMS OR \bigcirc 3 INCH MINIMUM DEPTH OF $\frac{3}{4}$

INCH WASHED GRAVEL (6) LINE SURGE ARRESTOR

7) WATERPROOF CONNECTORS 8 WIRE FROM DECODER TO WIRE

(9) BRICK (2 MINIMUM)

CONNECTOR

1 FINISH GRADE

SCHEDULE

6 TREE ROOT BALL

7 FULL CIRCLE BUBBLER

(MODEL PER LEGEND)

3 PVC LATERAL PIPE

2 POP-UP SPRAY HEAD PER

4 SWING JOINT ASSEMBLY

5) PVC SCH. 40 TEE OR ELL, (S x T)

INSTALL THE GROUNDING WIRE AND EACH GROUNDING HARDWARE AT RIGHT ANGLES FROM 10 TWO-WIRE CABLE/COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR CONTROLLER

SCALE: NTS

SCALE: NTS

1/4" DISTRIBUTION TUBING. RUN

LENGTH NOT TO EXCEED 8'

(5) PRESSURE COMPENSATING

EMITTER PER EMITTER

(6) 3/4" POLYETHYLENE TUBING

45° TO 60° ANGLE

7) FINISH GRADE OF SOIL

(8) WEED BARRIER FABRIC

SCHEDULE. INSTALL EMITTER AT

SET WITH TOP OF TUBING FLUSH

WITH FINISH GRADE OF SOIL

FABRIC TO PLANT.

2 UNIVERSAL 1/4" STAKE

3 DIFFUSER CAP

4 TOP OF MULCH

TUBING UNDER WEED BARRIER

2. ADJUSTABLE ARC NOZZLES SHALL BE USED ON CURVED OR NON-STANDARD ANGLED EDGES. 3. ROTORS SHALL BE INSTALLED 6" MININUM FROM ANY WALLS, WALKS, COURTS, ETC. PER LOCAL

4. ADJUST ALL ROTOR HEADS SO THAT NO OVERSPRAY OCCURS ON ANY WALLS, WALKS,

5. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

1. EMITTERS SHALL BE EQUALLY SPACED AROUND ROOTBALL.

REQUIREMENTS AND SUN EXPOSURE.

2. FLUSH ALL LINES THOROUGHLY PRIOR TO EMITTER INSTALLATION.

SINGLE OUTLET EMITTER PLACEMENT

2. IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL EMITTERS ON THE UPHILL SIDE OF PLANT.

4. DRIP VALVE ZONES (HYDROZONES) ARE DESIGNED TO ACCOUNT FOR DIFFERENCES IN PLANT

5. CONTRACTOR SHALL ENSURE HYDROZONES ARE VALVED SEPARATELY AS SHOWN ON PLAN.

3. EMITTERS SHALL BE SELF-FLUSHING PRESSURE COMPENSATING-TYPE UNLESS NOTED

1. SET TOP OF HEAD FLUSH WITH FINISH GRADE.

COURTS, ETC.

ROTOR POP-UP

1 FINISH GRADE

(2) ROTOR - SIZE PER PLAN 3 PVC LATERAL PIPE

(4) SWING JOINT ASSEMBLY

5 PVC SCH. 40 TEE OR ELL (S x T)

6 WALLS, WALKS, COURTS, CURB, ETC.

SCALE: NTS

1 DIFFUSER CAP W/ DRIP STAKE

4) SINGLE OUTLET EMITTER

6 1/4" DISTRIBUTION TUBING

(5) 3/4" POLYETHYLENE DRIP TUBING

(LENGTH NOT TO EXCEED 8')

2 PLANT CENTER

(3) PLANT ROOTBALL

1. AFTER FLUSHING HEADS, REGRADE AND COMPACT AS NEEDED TO RETURN TO FINISH GRADE.

SPRINKLERS HEAD SHALL BE LEVEL WITH SURROUNDING FINISHED GRADE 3. ADJUST ALL SPRINKLERS HEADS SO THAT NO OVERSPRAY OCCURS ON ANY WALLS, WALKS, COURTS, ETC.

4. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE. 5. COMPACT SOIL AROUND HEAD TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUBGRADE.

12 INCH POP-UP SPRAY

(1) EMISSION POINT. DIFFUSER CAP W/ DRIP STAKE (TYP.)

2) PLANT ROOT BALL (TYP.) 3 PLANT CENTER (TYP.)

1 FINISH GRADE

SCHEDULE

2 12" POP-UP SPRAY HEAD PER

3 PVC LATERAL PIPE PER

4) SWING JOINT ASSEMBLY

5) PVC SCH. 40 TEE OR ELL, (S x T)

6 WALLS, WALKS, COURTS, CURB, ETC.

4 SECOND EMISSION POINTS SEE NOTE 3 BELOW

5 TREE TRUNK

6 MULCH LAYER

(7) 1/4" DISTRIBUTION TUBING (LENGTH NOT TO EXCEED 8')

(8) 3/4" POLYETHYLENE DRIP TUBING

9 SINGLE OUTLET EMITTER

(10) ROOTBALL

POINTS SHALL BE WITHIN PLANT PIT PERIMETER AS DIRECTED IN THE EMITTER SCHEDULE. 3. SECOND EMISSION POINTS (IF NEEDED) AS PER THE EMITTER SCHEDULE FOR TREES WITH 3"

4. THIS IS A WATERING GUIDE ONLY. SITE, SOIL AND PLANT CONDITIONS VARY GREATLY. CONTRACTOR MUST OBSERVE THE PLANT MATERIAL AND MAKE ADJUSTMENTS AS

6" MIN. OR PER

LOCAL CODE

1. MAXIMUM LENGTH OF ONE DISTRIBUTION TUBE SHALL BE 8'. 2. ALL EMISSION POINTS SHALL BE LOCATED ON UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT SHALL BE DIRECTLY TO PLANT BALL AS INDICATED. ADDITIONAL EMISSION

CALIPER OR GREATER OR CONIFEROUS TREES 10' OR GREATER IN HEIGHT

NECESSARY FOR PROPER PLANT WATER REQUIREMENT.

TREE EMITTER PLACEMENT

SCALE: NTS

SCALE: NTS

OWNER: Genesee Properties Inc, c/o Nicole Champine

P.O. Box 63 Berthoud, CO 80513

NOT FOR CONSTRUCTION

DATE:

6/30/22 PRELIM. PLAN

7/29/22 RESUBMITTAL

SHEET TITLE: **IRRIGATION DETAILS**

SINGLE OUTLET EMITTER

4

10

SHORTER AND AT THE END OF EACH WIRE RUN.

THE TWO-WIRE PATHS, WHEN POSSIBLE

SPECIFICATIONS FOR INSTALLATION.

4. INSTALL GROUNDING PER ASIC'S GUIDELINES.

LINE SURGE PROTECTION

18" MIN.

24" MAX.

1. INSTALL A LINE SURGE PROTECTOR EVERY 8th DECODER OR EVERY 500 FT. WHICHEVER IS

EACH GROUND SYSTEM SHALL MAINTAIN A MAXIMUM GROUND RESISTANCE OF 10 OHMS OR

LESS. REFER TO TWO-WIRE COMPONENTS MANUFACTURER'S RECOMMENDATIONS AND

1. AFTER FLUSHING HEADS, REGRADE AND COMPACT AS NEEDED TO RETURN TO FINISH GRADE

5. COMPACT SOIL AROUND HEAD TO THE SAME DENSITY AS ADJACENT UNDISTURBED SUB-GRADE.

2. SPRINKLERS SHALL BE MIN. 6" FROM ANY WALLS, WALKS, COURTS, AND 24" FROM ROOT BALL

3. ADJUST ALL SPRINKLERS BODIES SO THAT NO FLODDING OCCURS ON ANY WALLS, WALKS,

4. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

POP-UP BUBBLER

1. COMPACT SOIL AROUND VALVE BOX TO THE SAME DENSITY AS ADJACENT UNDISTURBED

3. ALL THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.

DRIP FLUSH END CAP WITH INDICATOR

SCALE: NTS

(1) 4" POP-UP HEAD WITH ENCLOSED

OPERATIONAL INDICATOR)

(2) LOCKING ROUND BOX & COVER

(3) HOSE END SELF FLUSH CAP

4) FINISH GRADE

HOSE CLAMPS

NOZZLE AND SWING PIPE. (ZONE

PER SCHEDULE. TOP OF BOX TO

BE FLUSH WITH FINISH GRADE

(5) 24" #4 REBAR TO HOLD END CAP

(6) 3/4" POLYETHYLENE DRIP TUBING

(7) ELBOW COMPRESSION FITTING

(8) 3/4" GRAVEL SUMP, 4" DEPTH

10 RISER (LENGTH AS NEEDED)

______ COMPRESSION TEE W/ POLY TO

(9) BRICK (2 REQUIRED MIN.)

IN PLACE W/ (2) STAINLESS STEEL

PVC ADAPTER

2. SECURE STAKE TO FLUSH END CAP OR PVC NIPPLE WITH A MIN. OF 2 HOSE CLAMPS.

12 PVC LATERAL

SCALE: NTS

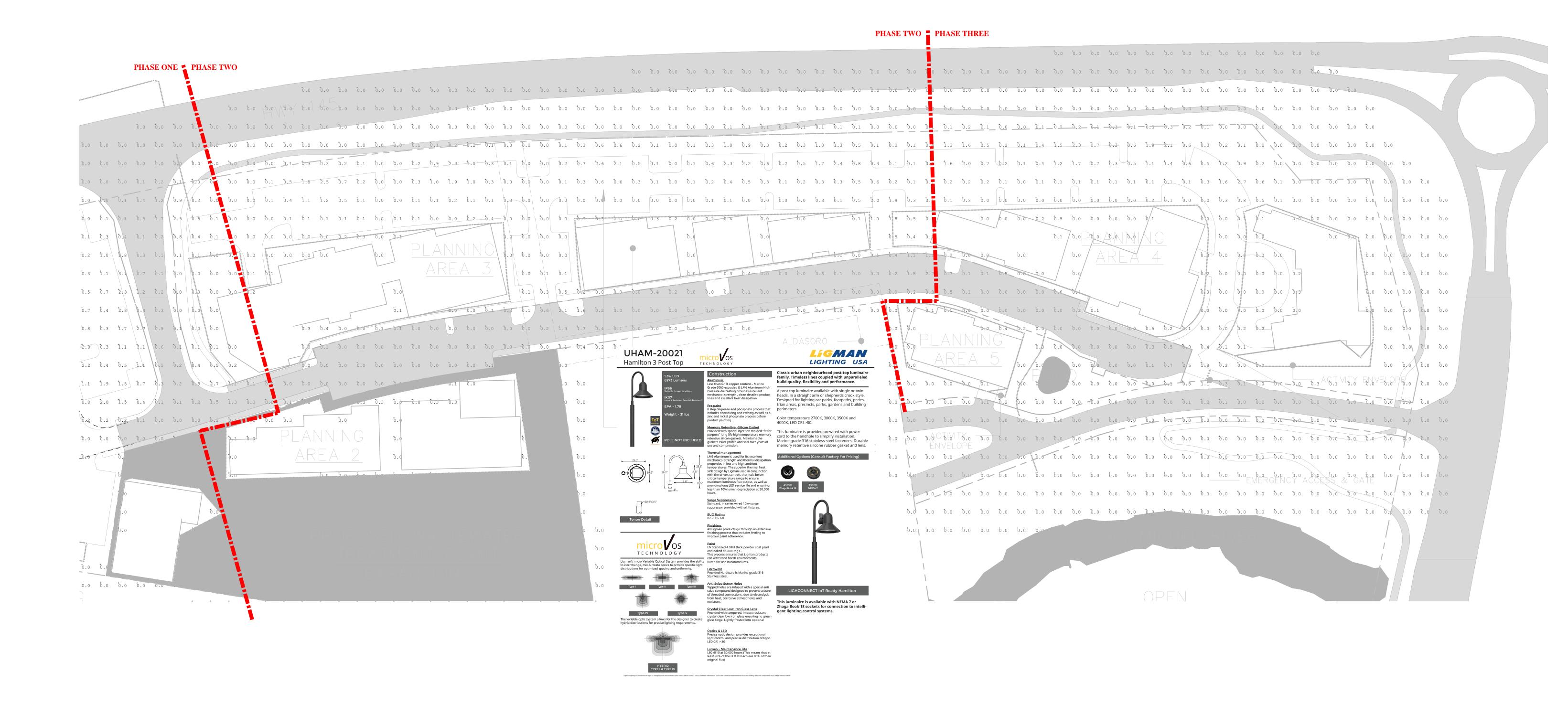
SCALE: NTS

LI-3.2

GENERAL NOTE: EXTENTS OF EXTERIOR LIGHING SHOWN FOR PROOF OF CONCEPT RELATIVE TO DARK-SKY, CODE, AND DESIGN GUIDELINES. SITE SPECIFIC LIGHTING DESIGN FOR PLANNING AREAS 2-5 TO BE SUBMITTED WITH ARCHITECTURAL PLANS.

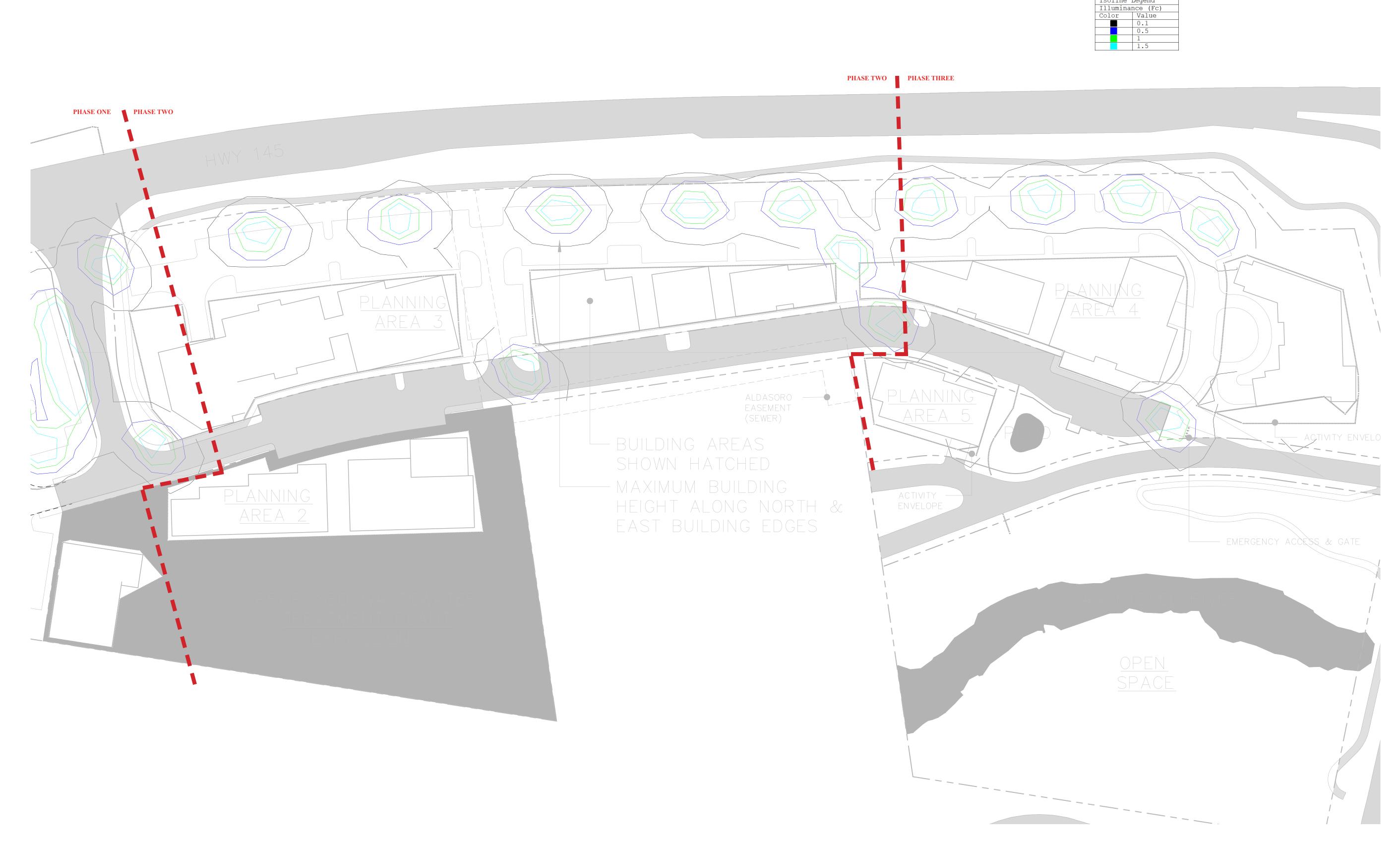
- GENERAL NOTES:
- LIGHTING WILL ADHERE TO COUNTY CODE INCLUDING BUT NOT LIMITED TO
 FULL CUT-OFF OPTICS (FULLY SHIELDED), DARK SKY FIXTURE RATING, 2700K CCT
 LIGHTING IS FOR SAFETY.
- PARKING LOT LIGHTING FOR VERTICAL ILLUMINANCE LEVELS (FACE
- RECOGNITION) AND TO PROVIDE CLEAR DELINEATION AT EDGES OF LOT.

 STREET LIGHTING FOR SAFETY AT INTERSECTIONS ONLY.
- MAX FC LEVEL ON SITE IS 5FC. MOONLIGHT = 0.02FC. LIGHT REQ FOR SMALL PRINT READING = 10FC MIN.
- CUTSHEET PROVIDED AS REFERENCE TO GENERAL DESIGN AESTHETIC AND OPTICAL CONTROL / DARK SKY RATING.
- ARCHITECTURAL LIGHTING ON BUILDING ELEVATIONS PROVIDED RELATIVE TO BUILDING DESIGN AT BUILDING ENTRANCES AND EXITS SHALL BE FOR EGRESS / SAFETY ONLY.



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LS GROUP

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