WATER EFFICIENT LANDSCAPE WORKSHEET

REFERENCE EVAPOTRANSPIRATION (ETo): 50.1

Hydrozone # / Planting Descriptiona	Plant Factor (PF)	Irrigation Methodb	Irrigation Efficiency (IE)c	ETAF (PF/IE)	Landscape Area (SF)	ETAF x Area	Estimated Total Water Use (ETWU)d
Regular Landscape Areas							
1 /Shrub Area	0.3	Drip	0.81	0.37	6,496	2,405.93	74,732.87
2 / Shrub Area	0.3	Rotors	0.75	0.40	100,100	40,040.00	1,243,722.48
				Totals	106,596	42,445.93	1,318,455.35
Special Landscape Areas							
				1			
				1			
				1			
				Totals			
ETWU Total							1,318,455.35
						Maximum Allowed Water Allowance (MAWA)e	1,489,988.23

aHydrozone # / Planting Description
E.G.
1. Front lawn
2. Low water use planting
3. Medium water use planting

bIrrigation Method
overhead spray or drip

cIrrigation Efficiency
0.75 for spray head
0.81 for drip

dETWU (Annual Gallons Required) - Eto x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

eMAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations							
Regular Landscape Areas							
Total ETAF x Area							
Total Area	106,596.00		*Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.*				
Average ETAF	0.40						
All Landscape Areas							
Total ETAF x Area	42,445.93						
Total Area	106,596.00						
Average ETAF	0.40						

GENERAL IRRIGATION NOTES

1. ALL LOCAL, MUNICIPAL AND STATE LAWS ARE HEREBY INCORPORATED INTO THESE PLANS AND SHALL BE CARRIED OUT BY THE CONTRACTOR.
3. THE CONTRACTOR IS EXPECTED TO SECURE COPIES OF THE CURRENT ARCHITECTURAL AND ENGINEERING PLANS AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE PROJECT AS IT RELATES TO THEIR SCOPE.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ANY AND ALL PERMITS REQUIRED TO PERFORM THEIR SCOPE OF WORK.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMIT OF WORK PRIOR TO COMMENCING ANY WORK. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LANDSCAPE ARCHITECT MAKES NO GUARANTEES ABOUT THEIR ACTUAL LOCATIONS. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IN THE EVENT DISCREPANCIES ARE FOUND BETWEEN THE PLANS AND CONDITIONS IN THE FIELD.
6. THE IRRIGATION DESIGN SHOWN HERE-IN IS DIAGRAMMATIC AND SHOWN FOR GRAPHIC CLARITY ONLY. ALL MAINLINE, SLEEVING, VALVES, ETC. SHALL BE INSTALLED WITHIN THE LIMIT OF WORK AND LOCATED IN LANDSCAPE AREAS WHERE EVER POSSIBLE. CONTRACTOR WILL BE EXPECTED TO MAKE ADJUSTMENTS IN THE FIELD TO AVOID CONFLICTS WITH PROPOSED PLANTING AND ARCHITECTURAL IMPROVEMENTS.
7. THE CONTRACTOR IS EXPECTED TO SUBMIT ANY QUESTIONS REGARDING THE PROPOSED IRRIGATION DESIGN WHEN IT IS CLEAR THAT FIELD CONDITIONS DO NOT MATCH WHAT IS DEPICTED ON THE PLANS. SUBMIT QUESTIONS TO THE GENERAL CONTRACTOR AS OFFICIAL RFI'S (***REQUEST'S FOR INFORMATION***). IN CASES WHERE THE CONTRACTOR WILLFULLY INSTALLS EQUIPMENT WITHOUT CLARIFYING INTENT OF THE DRAWINGS, THE WORK WILL BE SUBJECT TO CHANGE AT CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. PROPOSED CHANGES BY THE CONTRACTOR SHALL BE SUBMITTED IN WRITING FOR REVIEW AND APPROVAL.
9. FINAL LOCATIONS FOR THE POINT-OF-CONNECTION AND THE AUTOMATIC CONTROLLER SHALL BE DETERMINED IN THE FIELD. STAKE LOCATIONS OF SAID EQUIPMENT FOR REVIEW AND APPROVAL BY THE OWNER AND THE ARCHITECT PRIOR TO COMMENCING ANY WORK.
10. CONTRACTOR SHALL INSTALL ALL PIPE UNDER PAVED AREAS (HARDSCAPE, PARKING LOTS, ETC.) INSIDE SLEEVING AS SHOWN ON THE LEGEND AND SPECIFICATIONS. INSTALL PER DETAILS PROVIDED. AT A MINIMUM, SLEEVES ARE TO BE 2X THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED. SLEEVES SHALL EXTEND 6" MIN. PAST THE EDGE OF PAVED AREAS ABOVE.
11. IRRIGATION HEADS SHALL BE INSTALLED WITH THE NOZZLE, SCREEN, AND ARCS SHOWN ON THE LEGEND. CONTRACTOR IS EXPECTED TO PERFORM MINOR ADJUSTMENTS IN THE FIELD TO LIMIT THE AMOUNT OF OVER-SPRAY ONTO ANY HARDSCAPE ELEMENT. WHERE OCCURS, AND AT NO ADDITIONAL COST TO THE OWNER, CONTRACTOR IS HEREBY DIRECTED TO REPLACE NOZZLES, SCREENS, ETC. WITH MORE APPROPRIATE RADIUS EQUIPMENT TO BETTER FIT ACTUAL FIELD CONDITIONS ENCOUNTERED.
12. ALL IRRIGATION ROTOR AND ROTATORS WITHIN TURF AREAS SHALL BE (4") POP-UPS.
13. ALL IRRIGATION ROTOR AND ROTATORS WITHIN SHRUB AREAS SHALL BE (12") POP-UPS UNLESS NOTED OTHERWISE.
14. THE CONTRACTOR IS EXPECTED TO ADJUST THE PRESSURE REGULATOR ON EACH RCV SO THAT THE HEAD FARTHEST AND HIGHEST IN ELEVATION OPERATES WITHIN THE OPERATING PRESSURE SHOWN ON THE IRRIGATION LEGEND.
15. THE PROPOSED IRRIGATION DESIGN IS BASED ON THE STATED STATIC WATER PRESSURE AS NOTED ON THE PLANS FOR EACH POINT-OF-CONNECTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE STATIC WATER PRESSURE AVAILABLE PRIOR TO COMMENCING ANY WORK. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
16. WHERE IRRIGATION PIPE INDICATED ON THE PLANS IS NOT SIZED, THE CONTRACTOR SHALL INSTALL SAID PIPE AT AN APPROPRIATE SIZE NOT TO EXCEED 5FPS IN PVC PIPE AND 7PS IN COPPER PIPE. ANY SUCH CHANGES SUCH AS THESE SHALL BE MADE AT NO COST TO THE OWNER.
17. THE CONTRACTOR WILL BE EXPECTED TO COORDINATE THE ELECTRICAL SERVICE AND STUB-OUT LOCATION WITH THE GENERAL CONTRACTOR AND MAKE THE FINAL CONNECTION TO THE AUTOMATIC CONTROLLER AS SHOWN ON THE PLANS.
18. OVERHEAD IRRIGATION SHALL NOT BE PERMITTED WITHIN 24 INCHES OF ANY NON-PERMEABLE SURFACE UNLESS AN ALTERNATIVE DESIGN OR TECHNOLOGY IS SPECIFIED TO MINIMIZE RUNOFF/OVERSPRAY.

IRRIGATION SCHEDULE NOTES:

A. PER STATE OF CALIFORNIA'S MODEL WATER EFFICIENT LANDSCAPE ORDINANCE, IT WILL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO HAVE AN AUDIT PERFORMED TO DETERMINE THE EFFICIENCY OF THE FINAL INSTALLED SYSTEM. AUDIT SHALL BE PERFORMED BY A CALIFORNIA CERTIFIED LANDSCAPE IRRIGATION AUDITOR AND RESULTS OF THE AUDIT SHALL BE SUBMITTED TO THE OWNER, GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR THEIR RECORDS.

B. THE IRRIGATION SCHEDULES FOR PLANT ESTABLISHMENT AND ESTABLISHED LANDSCAPE SHALL BE DETERMINED BY THE MAINTENANCE CONTRACTOR AND SHALL BE CHANGED ACCORDING TO THE MONTH OF THE YEAR. THEY ARE TO BE BASED ON THE IRRIGATION AUDIT AND USED IN CONJUNCTION WITH THE IRRIGATION SYSTEM'S SMART CONTROLLER TO ADJUST RUNTIMES BASED ON ACTUAL ETO DATA. CONTRACTOR IS EXPECTED TO MAKE ADJUSTMENTS AS NEEDED TO ACCOUNT FOR PLANT TYPES AND ON-SITE MICRO-CLIMATES.

C. IRRIGATION RUN-TIMES SHALL BE ADJUSTED OR RUN AS REPEAT CYCLES TO ELIMINATE ANY WATER RUN-OFF OR PONDING OF IRRIGATION WATER IN LANDSCAPE AREAS

D. CONTRACTOR SHALL BE EXPECTED TO VERIFY ALLOWABLE RUN-TIMES PER LOCAL WATER DISTRICT AND MUNICIPAL CODES AS THEY APPLY TO THE PROJECT SITE AND PROGRAM ALL IRRIGATION RUN-TIMES ACCORDINGLY.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
10 12 Q T	RAIN BIRD RD-06-S-P30-F 10 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.
12 12 12 12 12 Q T H TQ P	RAIN BIRD RD-06-S-P30-F 12 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
04	RAIN BIRD 6504-PC, FC 04 TURF ROTOR, 4.0IN. POP-UP, PLASTIC RISER, ADJUSTABLE AND FULL CIRCLE. WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1IN. FEMALE THREADED INLET.
06	RAIN BIRD 6504-PC, FC 06 TURF ROTOR, 4.0IN. POP-UP, PLASTIC RISER, ADJUSTABLE AND FULL CIRCLE. WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1IN. FEMALE THREADED INLET.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XCZ-150-LCS HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.
P	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.
A	RAIN BIRD ARV050 1/2IN. AIR RELIEF VALVE, MADE OF QUALITY RUST-PROOF MATERIALS, WITH A 6IN. DRIP VALVE BOX (SEB 7XB EMITTER BOX). USE WITH INSTALLATION BELOW SOIL. THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE.
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-09-18 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY, 0.9 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD 100-HV-MB ELECTRIC REMOTE CONTROL VALVE 1IN. WITH MALE X BARB CONFIGURATION.
	RAIN BIRD PGA ANGLE 1IN., 1-1/2IN., 2IN. ELECTRIC REMOTE CONTROL VALVE, ANGLE.
	RAIN BIRD 5-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY.
	LANDSCAPE PRODUCTS INC. BGV 1/2IN., 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN., 3IN., 4IN. BRASS GATE VALVE. THREADED BONNET, NON-RISING STEM, PRESSURE RATED TO 200 PSI. SAME SIZE AS MAINLINE.
MV	SUPERIOR 3100-PRS 2-1/2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. AVAILABLE IN 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN., AND 3IN.. PRESSURE REGULATION FEATURE.
BF	FEBCO 825YA 1" REDUCED PRESSURE BACKFLOW PREVENTER
C	HUNTER PHC-1200 WI-FI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN, 12-STATION FIXED CONTROLLER, 120 VAC, OUTDOOR MODEL. WALL MOUNT.
R	HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.
FS	RAIN BIRD FS-100-B 1IN. FLOW SENSOR, BRASS MODEL. SUGGESTED OPERATING RANGE 2.0 GPM TO 40.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LX/VMP)	LXD	LXME2(P)	ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.
M	WATER METER 2"
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	EXISTING IRRIGATION MAINLINE
	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS

Valve Callout
Valve Number
Valve Flow
Valve Size

CRITICAL ANALYSIS

Generated:	2024-12-10 12:53
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	2"
Flow Available	77.18 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	72 PSI
Elevation Change:	5.00 ft
Service Line Size:	2"
Length of Service Line:	20 ft
Pressure Available:	68 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	50.84 GPM
Flow Available at POC:	77.18 GPM
Residual Flow Available:	26.34 GPM
Critical Station:	12
Design Pressure:	30 PSI
Friction Loss:	5.38 PSI
Fittings Loss:	0.54 PSI
Elevation Loss:	0 PSI
Loss through Valve:	1.06 PSI
Pressure Req. at Critical Station:	37.0 PSI
Loss for Fittings:	1.09 PSI
Loss for Main Line:	10.9 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	11 PSI
Loss for Master Valve:	2.38 PSI
Loss for Water Meter:	0.4 PSI
Critical Station Pressure at POC:	62.8 PSI
Pressure Available:	68 PSI
Residual Pressure Available:	5.23 PSI

LANDSCAPE ARCHITECT STATEMENT:

"*I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPING ORDINANCE AND APPLIED SUCH CRITERIA FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN.*"

MICHAEL LEDBETTER - LLA 5553

RBB ARCHITECTS INC

Joseph A. Balbona, AIA
Sylvia Botero, AIA
Kevin S. Boots, AIA

10980 Wilshire Boulevard
Los Angeles, California
90024-3905

Telephone 310 473 3555
Facsimile 310 473 3555
www.rbbinc.com

LICENSED LANDSCAPE ARCHITECT MICHAEL LEDBETTER 5553 STATE OF CALIFORNIA

AGENCY APPROVALS

OSHPD #

CONSULTANT

ISSUE RECORD

DATE DESCRIPTION

Martin Luther King, Jr. Community Hospital

Martin Luther King Jr. Community Hospital
AUGUSTUS F. HAWKINS BUILDING DEMOLITION PROJECT

1720 EAST 120TH STREET
LOS ANGELES, CA 90059

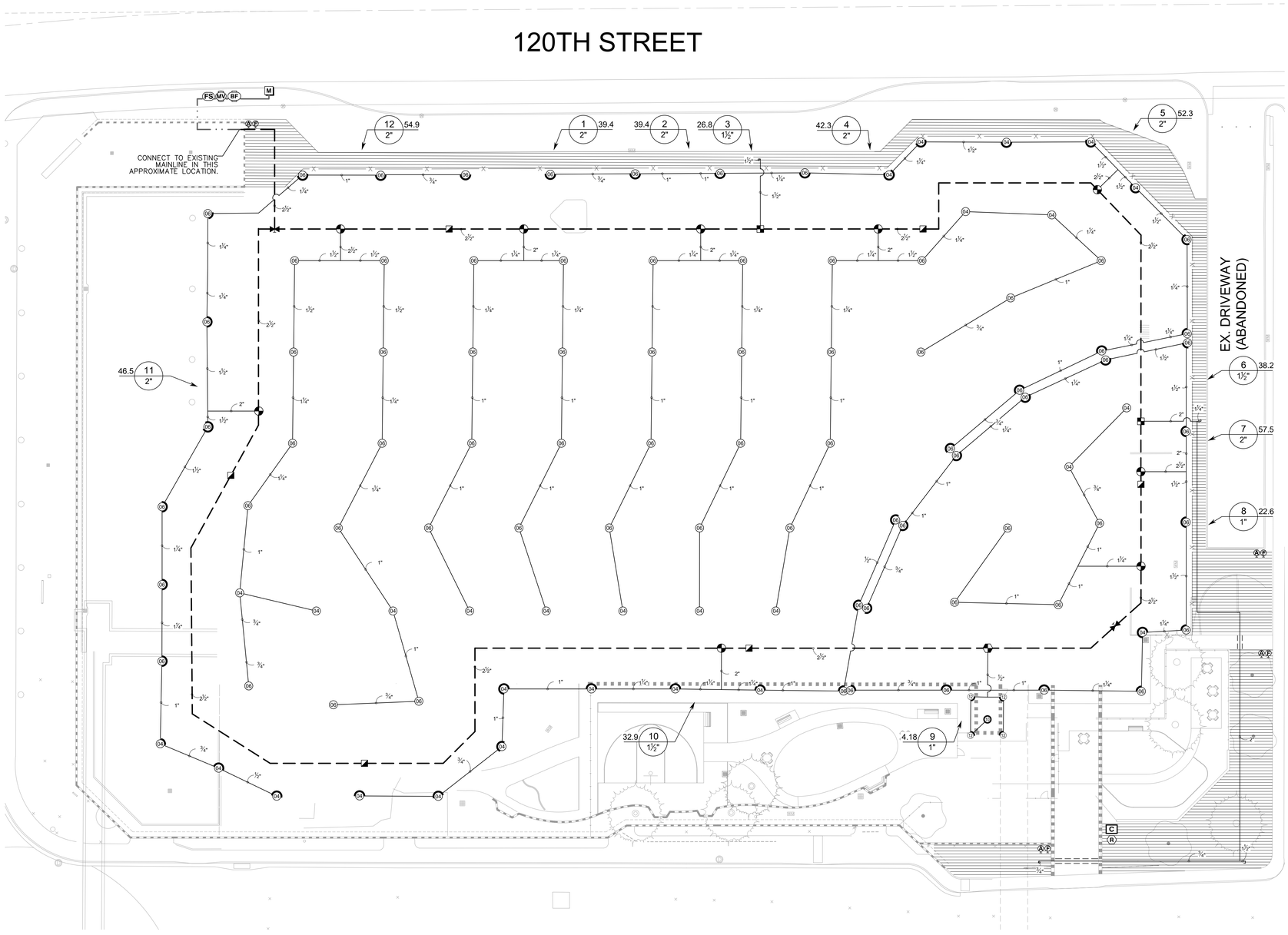
MILESTONE: CONSTRUCTION DRAWINGS
MILESTONE DATE: 01/14/2025
RBB PROJECT: 2211500 SCALE:

DESCRIPTION

IRRIGATION LEGEND AND NOTES

L3.000

12/13/2022 5:59:35 PM



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IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
(Q) (T) (H) (F)	RAIN BIRD RD-06-S-P30-F 10 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	30
(Q) (T) (H) (F)	RAIN BIRD RD-06-S-P30-F 12 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	30

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06	RAIN BIRD 6504-PC, FC 06 TURF ROTOR, 4.0IN. POP-UP, PLASTIC RISER, ADJUSTABLE AND FULL CIRCLE. WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1IN. FEMALE THREADED INLET.	30	4.2	43'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
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M	WATER METER 2"

IRRIGATION LATERAL LINE: PVC SCHEDULE 40

IRRIGATION MAINLINE: PVC SCHEDULE 40

EXISTING IRRIGATION MAINLINE

PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS

Valve Callout
Valve Number
Valve Flow
#" Valve Size

N W E S

SCALE: 1" = 20'-0"

0 10 20 40 80

12/13/2022 5:59:35 PM

RBB

RBB ARCHITECTS INC

Joseph A. Balbona, AIA
Sylvia Botero, AIA
Kevin S. Boots, AIA

10980 Wilshire Boulevard
Los Angeles, California
90024-3905

Telephone 310 473 3555
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www.rbbinc.com

LICENSED LANDSCAPE ARCHITECT · LEONARD E. LEDERER · STATE OF CALIFORNIA

AGENCY APPROVALS

OSHPD #

CONSULTANT

ISSUE RECORD

DATE DESCRIPTION

Martin Luther King, Jr. Community Hospital

Martin Luther King Jr. Community Hospital AUGUSTUS F. HAWKINS BUILDING DEMOLITION PROJECT

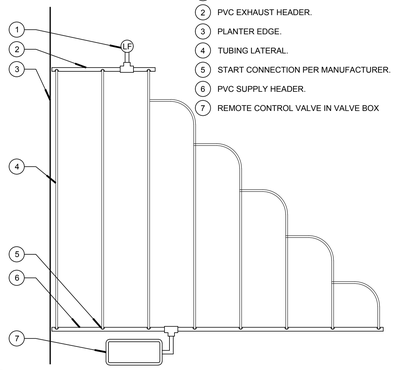
1720 EAST 120TH STREET
LOS ANGELES, CA 90059

MILESTONE: CONSTRUCTION DRAWINGS
MILESTONE DATE: 01/14/2025
RBB PROJECT: 2211500 SCALE:

DESCRIPTION

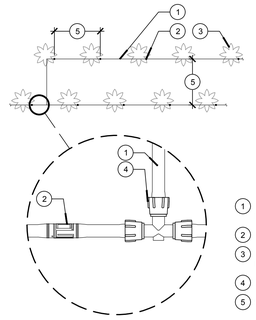
IRRIGATION PLAN

L3.101



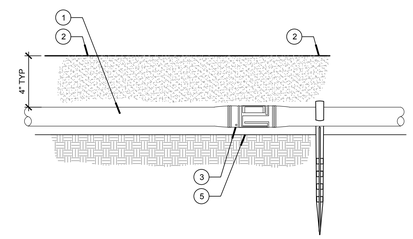
1. MANUAL LINE FLUSHING VALVE PLUMBED TO PVC.
2. PVC EXHAUST HEADER.
3. PLANTER EDGE.
4. TUBING LATERAL.
5. START CONNECTION PER MANUFACTURER.
6. PVC SUPPLY HEADER.
7. REMOTE CONTROL VALVE IN VALVE BOX

A In-Line Dripline Typical Layout
NTS



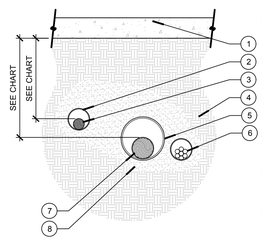
1. PRESSURE-COMPENSATING IN-LINE EMITTER TUBING PER LEGEND
2. EMITTER-PRE-INSTALLED IN TUBING
3. PLANT MATERIAL - SEE PANS FOR SPACING
4. LOCKING INSERT FITTING
5. SPACING PER LEGEND

B Drip Tubing Connection
NTS



1. LANDSCAPE DRIPLINE PER LEGEND
2. TOP OF FINISH GRADE
3. PRESSURE-COMPENSATING IN-LINE EMITTER TUBING PER LEGEND
4. TIE DOWN STAKE PER MANUFACTUER'S RECOMMENDATION
5. SUBGRADE

C Below Grade Drip Tubing
NTS



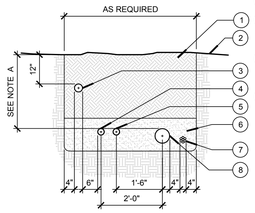
1. HARDSCAPE PAVING
2. LATERAL LINE SLEEVING SHALL BE SCH. 40 PVC - SLEEVE DIA. SHALL BE 2 x LATERAL DIA.
3. LATERAL LINE - REFER IRRIGATION LEGEND FOR SPECIFICATIONS
4. BACKFILL - 90% RELATIVE COMPACTION, MINIMUM - REFER TO GEOTECHNICAL REPORT
5. CONTROL WIRE BUNDLE SLEEVING SHALL BE SCH. 40 PVC PIPE
6. MAINLINE SLEEVING SHALL BE SCH. 40 PVC PIPE - SLEEVE DIA. SHALL BE 2 x MAINLINE DIA.
7. MAINLINE - REFER IRRIGATION LEGEND FOR SPECIFICATIONS
8. SAND BACKFILL - 2" BASE & 6" OF COVER, MIN.

NOTES:
A. ALL IRRIGATION WIRES, LATERALS AND MAINLINE SHALL BE PLACED IN SLEEVES
B. IRRIGATION CONTRACTOR SHALL COORDINATE ALL SLEEVING LOCATIONS & SIZES WITH HARDSCAPE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION
C. ALL SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND THE EDGE OF THE HARDSCAPE SURFACE

LINE TYPE	LOCATION	DEPTH
PRESSURIZED MAINLINE	IN LANDSCAPE	24"
	UNDER VEH. PAVING	36"
LATERAL LINES	IN LANDSCAPE	18"
	UNDER VEH. PAVING	30"

E Irrigation Sleeving
NTS

LINE TYPE	DEPTH
PRESSURIZED MAINLINE 2 1/2" AND SMALLER	18"
PRESSURIZED MAINLINE 3" AND LARGER	24"
LATERAL LINES	12"

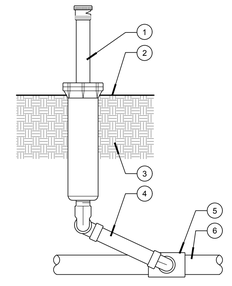


Section

1. REFER TO IRRIGATION SPECS FOR BACKFILL AND COMPACTION REQUIREMENTS
2. FINISH GRADE
3. NON-PRESSURIZED LATERAL LINE PIPING
4. COMMUNICATION CABLE CONDUIT (WHERE REQUIRED)
5. FLOW SENSOR CABLE AND CONDUIT
6. APPROVED BACKFILL OR SAND - PROVIDE 3" UNDER PIPE AND 4" AROUND PIPE
7. CONTROL WIRES BUNDLED AND TAPED AT 10'-0" INTERVALS - INSTALL ADJACENT TO MAINLINE
8. PRESSURIZED MAINLINE PIPING

NOTES:
A. ALL PLASTIC PIPING SHALL BE SNAKED IN TRENCHES
B. TIE A LOOSE 20" LOOP IN WIRING AT ANY CHANGE IN DIRECTION GREATER THAN 30° - UNTIE ANY LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE
C. ALL MAINLINE, LATERAL LINES, AND CONTROL WIRES SHALL BE SLEEVED BELOW ALL HARDSCAPE ELEMENTS. SEE SLEEVE DETAIL
D. ALL MAINLINE PIPING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' INSTALLATION SPECIFICATIONS

F Trenching Detail
NTS

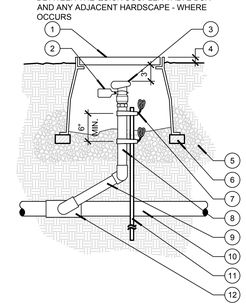


1. INSTALL POP-UP-ROTARY HEAD - SEE LEGEND FOR SPECIFICATION
2. FINISH GRADE - 2" BELOW BOX LID IN SHURB/GC AREAS
3. UNDISTURBED SOIL
4. TRIPLE SWING JOINT ASSEMBLY
5. SCH 40 PVC SxSxT TEE FITTING LATERAL x SPRINKLER INLET SIZE
6. LATERAL LINE, SEE LEGEND AND DETAILS FOR TYPE AND DEPTH REQUIRED

NOTES:
A. INSTALL SPRINKLER HEADS 8" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
B. INSTALL SPRINKLER HEADS 4" FROM PAVING EDGE IN TURF AREAS
C. ADJUST SPRAYS OR NOZZLE STREAM SO THERE IS NO OVERSPRAY ONTO ADJACENT HARDSCAPE AND/OR BUILDINGS.
D. ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE

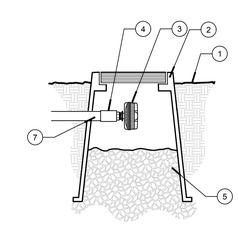
D Pop-Up Rotary Head
NTS

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. 12" MIN. CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE QUICK COUPLER VALVE BOX AND ANY ADJACENT HARDSCAPE - WHERE OCCURS



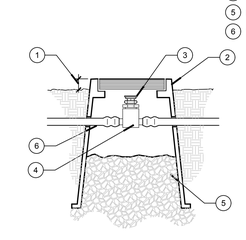
1. PURPLE PLASTIC, 10" ROUND VALVE BOX WITH BOLT DOWN COVER, HEAT BRANDED "QCV"
2. RECYCLED WATER ID TAG
3. QUICK COUPLER VALVE - REFER TO IRRIGATION LEGEND
4. FINISH GRADE:
   - 1" BELOW BOX LID INTURF AREAS
   - 2" BELOW BOX LID IN SHRUB / GC AREAS
5. ONE (1) CU. FT. (MIN.) OF 3/4"CRUSHED ROCK AT BASE OF VALVE BOX
6. SUPPORT - COMMON RED BRICK
7. V.I.T. STAINLESS STEEL TIES - TYPICAL
8. SCH. 80 PVC NIPPLE - LENGTH AS REQUIRED
9. 1" DIA. SCH. 80 PVC SWING JOINT - PREASSEMBLED BY SPEARS
10. NP PVC MAINLINE
11. 1/2" DIA. x 24" LENGTH GALVANIZED PIPE STAKE
12. SCH. 80 PVC TEE FITTING.

G Quick Coupler Valve
Scale: 3/4" = 1'-0"



1. FINISH GRADE
   - 1" BELOW BOX LID IN TURF AREAS
   - 2" BELOW BOX LID IN SHRUB / GC AREAS
2. 6" ROUND PLASTIC VALVE BOX.
3. LINE FLUSHING VALVE - REFER TO IRRIGATION LEGEND
4. PVC REDUCER ADAPTER S X 1/2 " FIPT (SIZE AS REQUIRED.)
5. PEA GRAVEL - 12" DEPTH.
6. PVC LATERAL OR EXHAUST HEADER.

H Flush Valve
NTS

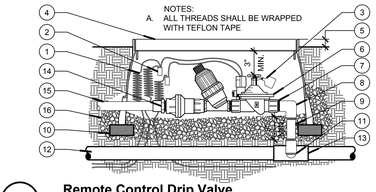


1. FINISH GRADE
   - 1" BELOW BOX LID IN TURF AREAS
   - 2" BELOW BOX LID IN SHRUB / GC AREAS
2. 6" ROUND PLASTIC VALVE BOX.
3. AIR RELIEF VALVE - REFER TO IRRIGATION LEGEND
4. TECHLINE ADAPTER TEE.
5. PEA GRAVEL - 12" DEPTH.
6. TECHLINE TUBING.

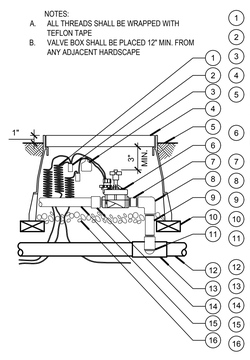
I Air Relief Valve
NTS

1. 30" LENGTH OF COILED WIRE
2. WATER PROOF CONNECTOR - REFER TO IRRIGATION SPECIFICATIONS
3. ID TAG - REFER TO IRRIGATION SPECIFICATIONS
4. RECTANGULAR, PLASTIC VALVE BOX - LID SHALL BE HEAT BRANDED WITH LETTERS "RCV" & STATION NUMBER - REFER TO IRRIGATION SPECIFICATIONS
5. FINISH GRADE:
   - 1" BELOW BOX LID IN TURF AREAS
   - 2" BELOW BOX LID SHRUB / GC AREAS
6. REMOTE CONTROL VALVE WITH FILTER AND PRV - REFER TO IRRIGATION LEGEND
7. SCH. 80 PVC NIPPLE (CLOSE)
8. SCH. 40 PVC ELL
9. SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. SCH. 80 PVC NIPPLE (2" LENGTH, HIDDEN) AND SCH. 40 PVC ELL
12. PVC MAINLINE PIPE
13. SCH. 40 PVC TEE OR ELL
14. SCH. 40 PVC MALE ADAPTER
15. PVC LATERAL PIPE
16. (3) CUBIC FEET, MIN. OF ¾" MINUS, WASHED GRAVEL

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE



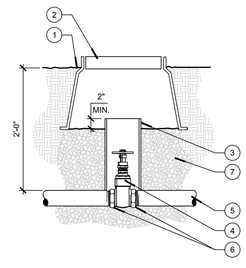
J Remote Control Drip Valve
NTS



1. 30" LINEAR LENGTH OF WIRE, COILED
2. WATER PROOF CONNECTION (1 OF 2)
3. WATER ID TAG
4. VALVE BOX WITH COVER: 12" SIZE
5. FINISH GRADE
   - 1" BELOW BOX LID IN TURF AREAS
   - 2" BELOW BOX LID IN SHRUB / GC
6. REMOTE CONTROL VALVE PER MASTER IRRIGATION LEGEND
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND SCH 40 ELL
12. PVC MAINLINE PIPE
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL

K Remote Control Valve
NTS

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE



1. FINISH GRADE
   - 1" BELOW BOX LID IN TURF AREAS
   - 2" BELOW BOX LID IN SHRUB / GC AREAS
2. ROUND, PLASTIC VALVE BOX SHALL BE BRANDED "GV" - REFER TO IRRIGATION LEGEND
3. 6" Ø PVC PIPE EXTENSION - LENGTH AS REQUIRED
4. GATE VALVE - REFER TO IRRIGATION LEGEND FOR SPECS.
5. PVC MAINLINE - REFER TO IRRIGATION LEGEND
6. PVC MALE ADAPTER - TWO (2) REQUIRED
7. PEA GRAVEL - TWO (2) CUBIC FEET AT BASE OF VALVE

L Gate Valve
NTS

RBB ARCHITECTS INC

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LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

AGENCY APPROVALS

OSHPD #

CONSULTANT

ISSUE RECORD

DATE DESCRIPTION

Martin Luther King, Jr. Community Hospital

Martin Luther King Jr. Community Hospital
AUGUSTUS F. HAWKINS BUILDING DEMOLITION PROJECT

1720 EAST 120TH STREET
LOS ANGELES, CA 90059

MILESTONE: CONSTRUCTION DRAWINGS
MILESTONE DATE: 01/13/2025
RBB PROJECT: 2211500 SCALE:

DESCRIPTION

IRRIGATION DETAILS

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I. CONTRACTOR'S LANDSCAPE WORK RESPONSIBILITIES:

A. SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL ALL PLANTING ELEMENTS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.

B. CONFORMANCE: ALL PLANTING WORK SHALL CONFORM TO APPLICABLE LOCAL, COUNTY AND/OR STATE CODES, REGULATIONS AND RULES.

C. LICENSE: ALL WORK SHALL BE PERFORMED BY A C-27 CALIFORNIA LICENSED CONTRACTOR.

D. PERMITS AND INSPECTIONS: THE CONTRACTOR SHALL OBTAIN, COORDINATE AND PAY FOR ANY AND ALL PERMITS, AND AGENCY INSPECTIONS AS REQUIRED.

E. INSURANCE: THE CONTRACTOR SHALL CARRY ALL WORKMEN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND BY THE OWNER (JOB SUPERINTENDENT).

F. SITE VERIFICATION: PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY, AT THE SITE, ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AFFECTING THE INTENDED DESIGN OF THE LANDSCAPE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) IMMEDIATELY.

G. LIABLE FOR ENCROACHMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENCROACHMENT ONTO ADJACENT PROPERTY, RIGHT -OF-WAYS, EASEMENTS, SETBACKS OR ANY OTHER LEGAL PROPERTY RESTRICTION EITHER MARKED OR UNMARKED.

H. COORDINATION OF ACTIVITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF REQUIRED ACTIVITIES WITH ALL OTHER TRADES THROUGH THE OWNER (JOB SUPERINTENDENT).

I. FIELD STAKING: PRIOR TO INSTALLATION, THE CONTRACTOR SHALL LOCATE BY STAKES, OR OTHER MEANS, ALL CONTAINER TREES, SHRUBS AND VINE LOCATIONS AND HEADER BOARD/MOW CURB LAYOUT FOR APPROVAL BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT.

J. NOTIFICATION OF DISCREPANCIES: ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS AND/OR THE DESIGN INTENT AFFECTING THE SUCCESSFUL COMPLETION AND COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. ALL WORK RELATED TO THE PROBLEM AREA SHALL CEASE UNTIL THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER (JOB SUPERINTENDENT) OR LANDSCAPE ARCHITECT IN WRITING. ANY CONTINUATION OF WORK IS AT THE CONTRACTOR'S RISK AND EXPENSE.

K. LIABLE FOR DAMAGE: THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ALL UTILITIES, CONSTRUCTION, IRRIGATION AND PLANTING ELEMENTS, EXISTING OR NEW, MARKED OR UNMARKED, AND SHALL REPAIR OR REPLACE ANY DAMAGED IMPROVEMENTS IN MANNER ACCEPTABLE TO THE OWNER (JOB SUPERINTENDENT).

L. LIABLE FOR LOSS: THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY LOSS TO EQUIPMENT, PARTS AND MATERIALS ON THIS PROJECT UNTIL COMPLETION AND ACCEPTANCE OF THE JOB IN WRITING FROM THE OWNER (JOB SUPERINTENDENT).

M. WRITTEN GUARANTEE: ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF PROJECT. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE ON HIS LETTERHEAD AT THE TIME OF THE FINAL INSPECTION.

N. WRITTEN CERTIFICATION: THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION THAT THE PLANTING WORK IS INSTALLED IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY APPROVED SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS OR SPECIFICATIONS SHALL BE NOTED. THIS CERTIFICATION SHALL BE ON THE CONTRACTOR'S LETTERHEAD WITH HIS SIGNATURE AND **CALIFORNIA C-27** CONTRACTOR'S LICENSE NUMBER.

O. PLANT MATERIALS APPROVAL: THE CONTRACTOR SHALL, WITHIN FIFTEEN (15) WORKING DAYS FOLLOWING AWARD OF CONTRACT, SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A COMPLETE LIST OF REQUIRED CONTAINER AND FLATTED GROUNDCOVER MATERIAL. THE LIST SHALL INCLUDE EACH TREE, SHRUB AND GROUNDCOVER; THEIR BOTANICAL AND COMMON NAME; EACH REQUIRED QUANTITY AND SIZE; THEIR NURSERY SOURCE LOCATIONS AND NURSERY SALES PERSON TO CONTACT; THEIR SPECIFICATIONS AS TO HEIGHT, SPREAD AND TRUNK CALIPER AT ONE FOOT (1') ABOVE GRADE (FOR TREES). A REPRESENTATIVE PHOTO OF EACH REQUIRED TREE SHALL ACCOMPANY THE SUBMITTAL.

P. STATE CIVIL CODE TITLE 7: TO THE EXTENT THAT THIS PROJECT IS GOVERNED BY TITLE 7 OF THE STATE CIVIL CODE, THE CONTRACTOR SHALL CONFORM WITH THE FUNCTIONALITY REQUIREMENT OF TITLE 7 OF THE CIVIL CODE.

II. OWNER'S CONSTRUCTION WORK RESPONSIBILITIES:

A. CONSTRUCTION RESPONSIBILITIES: THE OWNER WILL BE DIRECTLY RESPONSIBLE FOR ALL ASPECTS OF CONSTRUCTION INCLUDING ALL LANDSCAPE INSPECTIONS. ALL FIELD MEETINGS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT) TO THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT SHALL BE IN A SUPPORT OBSERVATION ROLE TO THE OWNER (JOB SUPERINTENDENT) PROVIDING INTERPRETIVE ADVICE ONLY IN ACCORDANCE WITH THE OBSERVATION SCHEDULE AS NOTED.

B. DETERMINING LEGAL AND PHYSICAL ELEMENTS: OWNER (JOB SUPERINTENDENT) SHALL BE RESPONSIBLE FOR DETERMINING PROPERTY LINES, RIGHT-OF-WAYS, TRACT BOUNDARIES, GRADES, EASEMENTS, UTILITY LOCATIONS (ABOVE AND BELOW GRADE) AND ANY OTHER LEGAL OR PHYSICAL ELEMENTS AS REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK. CONTRACTOR SHALL NOT BE PERMITTED TO PROCEED WITH ANY WORK WITHOUT DETERMINATION OF THE ABOVE INFORMATION.

C. ROUGH GRADE: OWNER (JOB SUPERINTENDENT) SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10TH OF ONE FOOT FROM FINISH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADE AND DRAINAGE OF ALL CONSTRUCTION ELEMENTS AT SPECIFIED GRADIENT.

D. SITE DISCREPANCIES: ALL DISCREPANCIES IN SITE CONDITIONS, DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. IT IS THE OWNER'S (JOB SUPERINTENDENT'S) RESPONSIBILITY TO CONSULT THE LANDSCAPE ARCHITECT PRIOR TO ANY FURTHER WORK IN THE DISCREPANCY AREA. ANY UNREPORTED DISCREPANCY AND CONTINUED WORK WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER AND LANDSCAPE ARCHITECT SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.

E. CONTRACT FULFILLMENT: ALL QUESTIONS RELATING TO INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS, QUALITY OF WORK AND ACCEPTABLE FULFILLMENT OF INTENT OF THE CONTRACT DOCUMENTS SHALL BE DECIDED BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT CONCURRENTLY.

III. SCOPE OF LANDSCAPE CONSTRUCTION:

A. GENERAL PLANTING NOTES:

1. SITE PREPARATION: PRIOR TO PROCEEDING WITH ANY WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL REMOVE ALL ROCKS, WEEDS, DEBRIS, AND OTHER EXTRANEOUS MATERIAL FROM THE JOB SITE AND DISPOSE OF IT OFF-SITE IN A SUITABLE AND LAWFUL MANNER.

2. PLANTING AREAS: UPON COMPLETION OF ALL IRRIGATION WORK, ALL PLANTING AREAS SHALL BE SPRAYED WITH A SYSTEMIC HERBICIDE; CLEARED AND GRUBBED OF SURFACE WEED GROWTH; AND SHALL BE WEED FREE PRIOR TO PROCEEDING WITH ANY PLANTING WORK.

3. FINISH GRADE: THE CONTRACTOR SHALL ESTABLISH FINISH GRADE A MINIMUM OF SIX INCHES (6") BELOW THE FINISH FLOOR OF BUILDINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SMOOTH EVEN FINISH GRADES AT BUILDINGS, WALKS, OTHER PERMANENT OBJECTS AND LIMITS OF WORK. ALL CHANGES IN GRADE SHALL BE BLENDED UNIFORM VERTICAL CURVES. ALL AREAS TO BE PLANTED IN TURF SHALL BE SMOOTHED WITH RAKES AND FLOATS TO THE OWNER'S (JOB SUPERINTENDENT) SATISFACTION. OBJECTS SUCH AS ROCKS, DEBRIS, CLODS OR OTHER EXTRANEOUS MATERIAL SHALL BE STOCK-PILED AND REMOVED.

4. DRAINAGE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINAGE IN ALL PLANTING AREAS IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS AT A MINIMUM 2% GRADIENT.

5. IMPORT SOIL: ON-SITE SOIL SHALL BE USED FOR ALL LANDSCAPE AREAS. WHEN ON-SITE SOIL IS NOT AVAILABLE, IMPORT SOIL SHALL MEET THE FOLLOWING SPECIFICATIONS:

   SILT PLUS CLAY CONTENT OF THE IMPORT SOIL SHALL NOT EXCEED 20% BY WEIGHT WITH A MINIMUM 95% PASSING THE 2.0 MM. SIEVE. THE SODIUM ABSORPTION RATIO (SAR) SHALL NOT EXCEED 6.0 MM. AND THE ELECTRICAL CONDUCTIVITY (ECE) OF THE SATURATION EXTRACT OF THIS SOIL SHALL NOT EXCEED 3.0 MMHOS./CM AT 250C. THE BORON CONTENT OF THIS SOIL SHALL BE NO GREATER THAN 1 PPM AS MEASURED ON THE SATURATION EXTRACT. IN ORDER TO INSURE CONFORMANCE, SAMPLES OF THE IMPORT SOIL SHALL BE SUBMITTED TO THE SOIL LABORATORY FOR ANALYSIS PRIOR TO IMPORT ON SITE.

6. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE OF A SIZE, CHARACTER AND QUALITY WHICH MEETS THE ACCEPTED INDUSTRY STANDARDS FOR THAT PLANT AND BE FREE FROM INSECTS, THEIR EGGS, DISEASE, WEEDS, OR OTHER DETRIMENTAL CHARACTERISTICS.

7. HANDLING/STORAGE: ALL PLANTS SHALL BE HANDLED AND STORED SO THEY ARE ADEQUATELY PROTECTED FROM DRYING OUT, SUN, WINDBURN, VANDALISM OR ANY OTHER INJURY. FOR REJECTION OF PLANT MATERIAL, THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT MAY REJECT ANY AND ALL PLANT MATERIAL REGARDED AS UNSUITABLE AT ANY TIME. SUCH PLANTS SHALL BE REMOVED FROM THE JOB SITE IMMEDIATELY AND BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

9. PLANTING: ALL PLANT MATERIAL SHALL BE AS SPECIFIED AND PLANTED AS DETAILED AND NOTED HEREIN.

10. GROUNDCOVER PLANTING: ALL GROUNDCOVER AREAS NOTED ON THE PLANS SHALL BE PLANTED WITH ROOTED CUTTINGS FROM FLATS IN STAGGERED ROWS CONTINUOUSLY UNDER TREES AND SHRUBS AT THE SPACING INDICATED ON THE PLANS.

11. SOIL PREPARATION: ALL PLANTING AREAS TO RECEIVE GROUNDCOVER FROM FLATS AND/OR TURF (EXCEPT GROUNDCOVER AREAS ON SLOPES 3:1 OR GREATER) SHALL RECEIVE AMENDMENTS PER HORTICULTURAL SOILS REPORT AND SHALL BE UNIFORMLY BLENDED INTO THE UPPER SURFACE SOIL TO A DEPTH AS REQUIRED IN THE HORTICULTURAL SOILS REPORT. FOR AMENDMENT AMT./PER 1000 SQ. FT. REFER TO HORTICULTURAL SOILS REPORT

12. BACKFILL MIX: BACKFILL MIX AROUND ALL CONTAINER PLANT MATERIALS SHALL CONSIST OF THE FOLLOWING UNIFORMLY BLENDED MATERIALS:

    REFER TO HORTICULTURAL SOILS REPORT

13. PLANTING TABLETS: AS INDICATED ON THE DETAILS, PLANT TABLETS SHALL BE 'GRO-POWER' PLANTING TABLETS 12-8-8 (7 GRAM OR EQUAL) AND SHALL BE FURNISHED IN THE FOLLOWING RATES: PLANT TABLETS SHALL BE PLACED AT THE TOP OF THE ROOTBALL, APPROXIMATELY TWO INCHES (2") FROM ROOT TIP AT EVEN SPACING AROUND THE PLANT.

    A. THREE (3) TABLETS PER ONE (1) GALLON CONTAINER
    B. NINE (9) TABLETS PER FIVE (5) GALLON CONTAINER
    C. FIFTEEN (15) TABLETS PER FIFTEEN (15) GALLON CONTAINER
    D. SIXTEEN (16) TABLETS PER TWENTY INCH (20") BOX AND TWENTY-FOUR INCH (24") BOX
    E. TWENTY (20) TABLETS PER THIRTY INCH (30") BOX AND THIRTY-SIX INCH (36") BOX
    F. TWENTY-TWO (22) TABLETS PER FORTY-TWO INCH (42") BOX AND FORTY-EIGHT INCH (48") BOX
    G. THIRTY-SIX (36) TABLETS PER SIXTY INCH (60") BOX
    H. FORTY-FIVE (45) TABLETS PER SEVENTY-TWO INCH (72") BOX
    I. FORTY-EIGHT (48) TABLETS PER EIGHTY-FOUR INCH (84") BOX

IV. ESTABLISHMENT MAINTENANCE NOTES:

1. ESTABLISHMENT MAINTENANCE PERIOD: THE MAINTENANCE PERIOD SHALL COMMENCE UPON THE OWNER'S WRITTEN APPROVAL OF ALL PHASES OF PLANTING INSTALLATION AND SHALL BE FOR THE PERIOD OF TIME AS FOLLOWS:

   NINETY (90) CONTINUOUS CALENDAR DAYS MIN. OR AS SPECIFIED BY THE OWNER.

2. MAINTENANCE PROCEDURES:

   A. GENERAL: THE GENERAL CARE AND MAINTENANCE OF ALL AREAS SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, RODENT CONTROL, CLEANUP AND AS NOTED BELOW.
   B. GROUNDCOVER FROM FLATS WITHOUT OVERSEED: APPLY PRE-EMERGENT HERBICIDE AT THE START OF MAINTENANCE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
   C. FERTILIZATION: MAINTENANCE WORK SHALL INCLUDE FERTILIZATION WITH THE FOLLOWING FERTILIZER AT THIRTY (30) DAY INTERVALS AFTER PLANTING. REFER TO HORTICULTURAL SOILS REPORT
   D. WEEDING: ANY CONCENTRATED DEVELOPMENT OF WEED GROWTH THAT MAY APPEAR IN PLANTING AREAS DURING THE MAINTENANCE PERIOD SHALL BE REMOVED AT TEN (10) DAY INTERVALS. THE CONTRACTOR SHALL REMOVE SUCH CONCENTRATIONS OF WEEDS INCLUDING THEIR ROOTS BY HAND OR IN A MANNER ACCEPTABLE TO THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT. NOTE: CULTIVATION OF GROUNDCOVER IS NOT ACCEPTABLE.
   E. RODENT CONTROL: THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO ELIMINATE ANY RODENTS ENCOUNTERED ON SITE.
   F. CLEAN-UP: DURING THE COURSE OF THE MAINTENANCE WORK, THE CONTRACTOR SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE AND SHALL KEEP THE PREMISES IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
   G. PROTECTION OF LANDSCAPE: DURING THE MAINTENANCE PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION OF ALL PLANTING AREAS. ANY DAMAGED AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
   H. FESCUE TURF AREA: EDGE AND MOW TURF TO HEIGHT OF 2 INCHES WHENEVER THE TURF REACHES A HEIGHT OF 3 INCHES (WHERE TURF OCCURS ON THE PLANS.)
   I. RE-HYDROSEEDING: THE CONTRACTOR SHALL RE-HYDROSEED ALL HYDROSEED AREAS ERODED OR NON-GERMINATING AT THE END OF EACH THIRTY (30) DAYS OF MAINTENANCE.
   J. FINAL ACCEPTANCE: WILL BE GIVEN AT THE END OF THE MAINTENANCE PERIOD FOR ALL PLANTED AREAS ONCE HYDROSEED GERMINATION HAS OCCURRED AND ESTABLISHMENT HAS BEEN OBTAINED.

HORTICULTURAL SOILS TESTING/AMENDMENTS:

IF A REPORT IS NOT AVAILABLE BY PROJECT OWNER, CONTRACTOR SHALL PROVIDE A SITE SPECIFIC HORTICULTURAL SOILS REPORT. THIS REPORT IS TO BE PREPARED BY AN OWNER APPROVED AGRONOMIST. THIS REPORT CAN BE PREPARED AND AVAILABLE FROM:
WAYPOINT ANALYTICAL
4741 E. HUNTER AVE, UNIT "A"
ANAHEIM, CA 92807
CONTACT: JOE KIEFER
PHONE: 714-282-8777

CONTRACTOR TO SUBMIT THIS SITE SPECIFIC HORTICULTURAL SOILS REPORT TO THE OWNER AND LANDSCAPE ARCHITECT 30 DAYS PRIOR TO LANDSCAPE INSTALLATION.

1. SOIL PREPARATION AMENDMENTS
2. SHRUB BACKFILL AMENDMENTS
3. POST PLANTING MAINTENANCE FERTILIZER APPLICATIONS
4. INFILTRATION RATE/PERCOLATION RATE

AGRONOMIST OR COMPETENT INDIVIDUAL TO EVALUATE VARIOUS SOIL TYPES, TEXTURES, COLORS, ETC. AND SAMPLE THE SITE ACCORDINGLY. CONTRACTOR TO SAMPLES THE LOCATION AS SHOWN ON THE ISSUED PROJECT LOCATION EXHIBIT PROVIDED BY THE OWNER/LANDSCAPE ARCHITECT. IDENTIFY/MARK SAMPLE LOCATIONS ON A REDUCED SITE PLAN TO BE ATTACHED TO THE REPORT AND AT A MINIMUM THE FOLLOWING SAMPLES ARE RECOMMENDED:

1. PROJECT ENTRY LOCATION - 1 SAMPLE EACH
2. CUT SLOPES - SAMPLES VARY PER SITE BUT WILL INCLUDE VARIOUS SOIL TYPES/ELEVATIONS THROUGHOUT THE SITE (SEPARATE SAMPLES FOR EACH SOIL TYPE AND CLASSIFICATION)
3. FILL SLOPES - SAMPLES VARY PER SITE BUT WILL INCLUDE INCLUDE VARIOUS SOIL TYPES/ELEVATIONS THROUGHOUT THE SITE

BACK FILL SPECIFICATIONS FOR ALL PLANT MATERIAL (RATE PER CUBIC YARD OF MIX):

1. 20% PER CUBIC YARD OF ORGANIC AMENDMENT COMPRISED OF RECYCLED/LANDSCAPE WASTE (NO ANIMAL WASTE)
2. SLOW RELEASE FERTILIZER TABLETS IN THE UPPER 12 INCHES OF BACK FILL.

IF A SITE SPECIFIC REPORT IS NOT AVAILABLE THEN SOIL PREPARATION SPECIFICATIONS (AREAS 3:1 AND LESS) ARE TO BE USED FOR BIDDING PRIOR TO THE ACTUAL HORTICULTURAL SOILS TEST RESULTS AND REPORT (RATE PER 1,000 SF) - AS FOLLOWS:

1. 4 YARDS PER THOUSAND ORGANIC AMENDMENT COMPRISED OF RECYCLED/LANDSCAPE WASTE
2. 20 LBS SOIL SULPHUR
3. 10 LBS GYPSUM
4. 20 LBS 16-16-16 COMMERCIAL FERTILIZER

HYDROSEED MIXES:

MIX 'A'

S&S SEEDS

California Native Flowering Meadow Mix Irrigated

Species	Common Name	Bulk Lbs/Acre
Achillea millefolium	Yarrow	1.00
Agrostis pallens	Bentgrass	4.00
Clarkia unguiculata	Elegant Clarkia	2.00
Deschampsia elongata	Slender Hairgrass	1.00
Eriogonum gracile	Slender Buckwheat	1.50
Eschscholzia californica	CA Poppy	3.00
Festuca idahoensis	Idaho Fescue	8.00
Festuca rubra molate	Molate Fescue	10.00
Gilia capitata	Blue Field Gilia	1.00
Lupinus microcarpus	Chick Lupine	3.00
Lupinus succulentus	Succulent Lupine	3.00
Melica californica	California Melic	3.00
Muhlenbergia microsperma	Small Muhly	2.00
Phacelia tanacetifolia	Lacy Phacelia	1.50
Sisyrinchium bellum	Blue Eyed Grass	1.00
Stipa cernua	Nodding Needle Grass	5.00
Trifolium willdenovii	Tomcat Clover	3.00

This mix of California native species make for a varied texture meadow. Species have been selected to ensure growth or color nearly year round
Regular irrigation is recommended to ensure successful establishment, and prolong greening and flowering
This mix may go semi-dormant in late summer and should green up again with winter rains

MIX 'B'

S&S SEEDS

Southern California Inland Ornamental Lower Growing Erosion Mix

Species	Common Name	Bulk Lbs/Acre
Acmispon glaber	Deerweed	3.00
Agrostis pallens	Bentgrass	1.00
Aristida ternipes	Spidergrass	1.00
Eriastrum densifolium	Giant Woollystar	1.00
Eriophyllum confertiflorum	Golden Yarrow	2.50
Eschscholzia californica	California Poppy	2.00
Festuca microstachys	Pacific Fescue	7.00
Galium angustifolium	Narrowleaf Beadstraw	0.50
Lasthenia californica	Goldfields	0.50
Lupinus bicolor	Miniature Lupine	3.00
Muhlenbergia microsperma	Littleseed Muhly	1.00
Penstemon spectabilis	Showy Penstemon	1.00
Phacelia campanularia	Desert Bluebells	2.00
Poa secunda	Sandberg Bluegrass	5.00
Sporobolus airiodes	Alkali Sacaton	3.00
Stipa cernua	Nodding Needlegrass	2.00
Trifolium willdenovii	Tomcat Clover	3.00

This lower growing mix of California native species is designed to be both ornamental and effective ground cover
Species selected can tolerate inland conditions of Southern California foothills and valleys
For best results, irrigation is advised

RBB ARCHITECTS INC

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Sylvia Botero, AIA
Kevin S. Boots, AIA

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Los Angeles, California
90024-3905

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www.rbbinc.com

LICENSED LANDSCAPE ARCHITECT JOSEPH A. LEDERER No. 5161 STATE OF CALIFORNIA

AGENCY APPROVALS

OSHPD #

CONSULTANT

ISSUE RECORD

DATE | DESCRIPTION

Martin Luther King, Jr. Community Hospital

Martin Luther King Jr. Community Hospital
AUGUSTUS F. HAWKINS BUILDING DEMOLITION PROJECT

1720 EAST 120TH STREET
LOS ANGELES, CA 90059

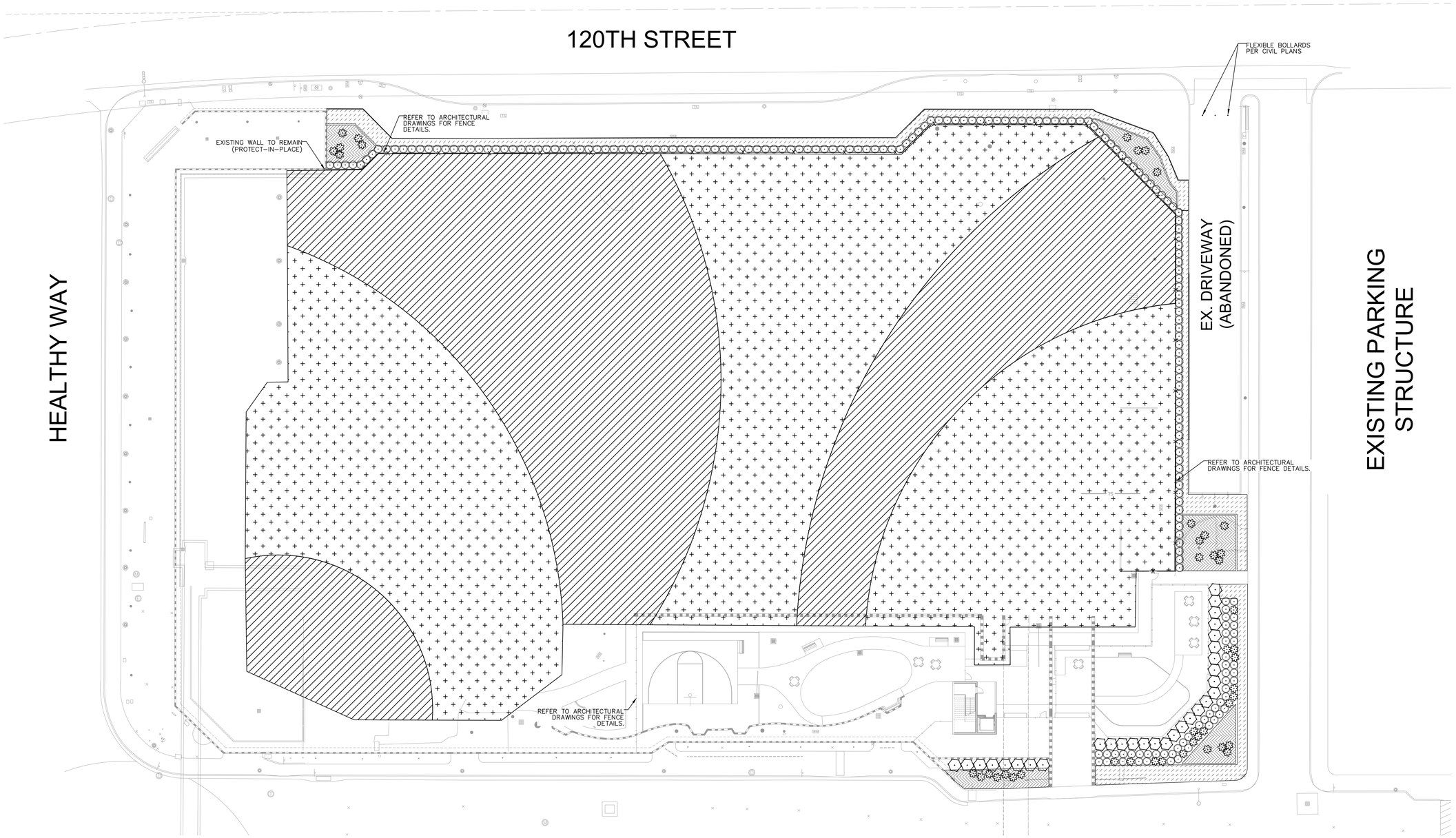
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MILESTONE DATE: 01/14/2025
RBB PROJECT: 2211500 SCALE:

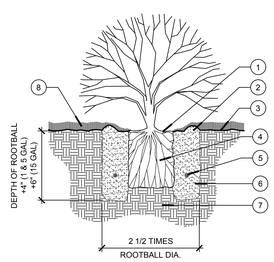
DESCRIPTION

PLANTING LEGEND AND NOTES

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A **Shrub Planting**
NTS

1. CROWN OF SHRUB TO BE PLANTED 1" ABOVE FINISH GRADE
2. EARTH WATERING BASIN - NO LARGER THAN ROOTBALL
3. FINISH GRADE
4. ROOTBALL
5. PLANT TABLETS -REFER TO SPECIFICATIONS
6. PREPARED BACKFILL MIX PER SPECIFIATIONS
7. UNDISTURBED SOIL -SCARIFY SIDES AND BOTTOM OF PIT
8. 3" LAYER OF MULCH -REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

PLANTING LEGEND

SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	SPACING
SHRUBS						
	45	FOXTAIL AGAVE	AGAVE ATTENUATA	5 GAL	18" FULL	SEE PLAN
	203	NEW ZEALAND FLAX	PHORMIUM TENAX 'MAORI QUEEN'	5 GAL	24" FULL	SEE PLAN
	30	COMPACT XYLOSMA	XYLOSMA CONGESTA 'COMPACTA'	5 GAL	24" FULL	72" OC
GROUND COVERS						
	961	RIVER HOUSE BLUES CALIFORNIA FESCUE	FESTUCA CALIFORNICA 'RIVER HOUSE BLUES'	6" POT		24" OC
	572	BLUE CHALKSTICKS	SENECIO SERPENS	6" POT		24" OC

HYDROSEED LEGEND

HYDROSEED MIX 'A'

HYDROSEED MIX 'B'

NOTE: REFER TO PLANTING LEGEND FOR LIST OF PLANTS IN THE HYDROSEED MIX.

PLANTING NOTES

1. REFER TO PLANTING SPECIFICATIONS FOR MORE INFORMATION REGARDING SOIL PREP, FERTILIZING, BACKFILL, PLANT SELECTION, WARRANTY'S, ETC.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PLANT MATERIAL THAT IS FREE OF PESTS AND DISEASE. ANY PLANT MATERIAL FOUND AT THE SITE EXHIBITING SIGNS OF PESTS AND/OR DISEASE WILL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
3. ONCE ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, CONTRACTOR SHALL BE REQUIRED TO HAVE SOIL SAMPLES TAKEN (3 MIN.) AND HAVE AGRICULTURAL SUITABILITY TESTS CONDUCTED. TESTS SHALL REVIEW SOIL FERTILITY AND MAKE RECOMMENDATIONS FOR SOIL PREPARATION PRIOR TO PLANTING. SUBMIT SOIL TEST RESULTS TO OWNER AND LANDSCAPE ARCHITECT FOR THEIR RECORDS. SUBMIT EVIDENCE THAT RECOMMENDATIONS PROVIDED IN SOILS REPORT HAVE BEEN FOLLOWED DURING CONSTRUCTION.
4. SEE SHEET L4.000 FOR PLANTING DETAILS.
5. SEE SHEET L1.101 FOR IRRIGATION PLAN.
6. ALL SHRUB AREAS SHALL RECEIVE 3" DARK, HARDWOOD BARK MUCH. SHALL BE 'DECOBARK' AVAILABLE FROM EARTHWORKS SOIL AMENDMENTS OR APPROVED EQUAL. SUBMIT SAMPLE FOR REVIEW AND APPROVAL PRIOR TO PURCHASE. NO SHREDDED MATERIAL WILL BE ACCEPTED.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH OTHER TRADES AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS PER THE CONSTRUCTION SCHEDULE.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND STRUCTURES, 2% MIN.
9. CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY PLANT MATERIAL WHEN IT IS OBVIOUS THAT UNKNOWN CONDITIONS OR GRADE DIFFERENCES EXIST THAT WOULD MAKE THE PROPOSED DESIGN UNACHIEVABLE. NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY IF ANY SUCH CONDITIONS ARE DISCOVERED. FAILURE TO NOTIFY THE APPROPRIATE PARTIES COULD RESULT IN THE REJECTION AND REMOVAL OF FINISHED WORK AT NO COST TO THE OWNER.
10. ALL LANDSCAPE AREAS SHALL SHEET FLOW @ 2% MINIMUM OR DRAIN TO AREA DRAINS @ 1% MINIMUM UNLESS NOTED OTHERWISE ON THE GRADING PLANS.
11. FINAL SHRUB PLACEMENT TO BE APPROVED BY OWNER PRIOR TO PLANTING.
12. ALL PLANTS TO BE SETBACK 24" FROM BACK OF SIDEWALK (COVER WITH THREE (3") INCH LAYER OF MULCH)

N W E S

SCALE: 1" = 20'-0"

0 10 20 40 60

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PLANTING PLAN

L4.101

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