



The following Motion and Document were considered by the GFC Facilities Development Committee at its Thursday, October 24, 2013 meeting:

Agenda Title: **Landscape Plan for the Students' Union Building (SUB) Expansion**

CARRIED MOTION: THAT the GFC Facilities Development Committee approve, under delegated authority from General Faculties Council and on the recommendation of Planning and Project Delivery, the proposed Students' Union Building (SUB) Landscaping Design Development (set forth in Attachment 2) as the basis for further development of design documents.

Final Item: 4

OUTLINE OF ISSUE

Agenda Title: **Landscape Plan for Students' Union Building (SUB) Expansion**

Motion: THAT the GFC Facilities Development Committee approve, under delegated authority from General Faculties Council and on the recommendation of Planning and Project Delivery, the proposed Students' Union Building (SUB) Landscaping Design Development (set forth in Attachment 2) as the basis for further development of design documents.

Item

Action Requested	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Recommendation <input type="checkbox"/> Discussion/Advice <input type="checkbox"/> Information
Proposed by	Ben Louie, University Architect, Office of the University Architect, Facilities and Operations
Presenters	Ben Louie, University Architect, Office of the University Architect, Facilities and Operations; Josh Le, Vice-President (Operations and Finance), Students' Union
Subject	Landscape Plan for Students' Union Building (SUB) Expansion

Details

Responsibility	Vice-President (Facilities and Operations)
The Purpose of the Proposal is (please be specific)	To seek GFC FDC's approval for the landscape plans for the SUB expansion so that it may be tendered and constructed by the project general contractor. Attachment 2 is to be considered for approval, whereas Attachment 3 is included solely for information.
The Impact of the Proposal is	To create student friendly outdoor places that integrate campus pathways, reinforce open spaces, enhance campus experiences, and integrate into a larger vision of open space and pathway design for the North Campus.
Replaces/Revises (eg, policies, resolutions)	N/A
Timeline/Implementation Date	2014 – 2015.
Estimated Cost	N/A
Sources of Funding	N/A
Notes	N/A

Alignment/Compliance

Alignment with Guiding Documents	<i>Dare to Discover, Dare to Deliver</i> , the Long Range Development Plan (LRDP), and the University of Alberta Comprehensive Institutional Plan (CIP)
Compliance with Legislation, Policy and/or Procedure Relevant to the Proposal (please quote legislation and include identifying section numbers)	1. Post-Secondary Learning Act (PSLA): The <i>PSLA</i> gives GFC responsibility, subject to the authority of the Board of Governors, over academic affairs (Section 26(1)) and provides that GFC may make recommendations to the Board of Governors on a building program and related matters (Section 26(1) (o)). Section 18(1) of the <i>PSLA</i> give the Board of Governors the authority to make any bylaws "appropriate for the management, government and control of the university buildings and land." Section 19 of the <i>Act</i> requires that the Board "consider the recommendations of the general faculties council, if any, on matters of academic import prior to providing for (a) the support and maintenance of the university, (b) the betterment of existing buildings, (c) the construction of any new buildings the board considers necessary for the purposes of the university [and] (d) the furnishing and equipping of the existing and newly erected buildings [.] [...]" Section 67(1) of the <i>Act</i>

	<p>governs the terms under which university land may be leased.</p> <p>2. GFC Facilities Development Committee (FDC) Terms of Reference – Section 3. Mandate of the Committee: “[...]”</p> <p>2. Delegation of Authority</p> <p>Notwithstanding anything to the contrary in the terms of reference above, the Board of Governors and General Faculties Council have delegated to the Facilities Development Committee the following powers and authority:</p> <p>A. Facilities</p> <p>1. To approve proposed General Space Programmes (Programs) for academic units.</p> <p>2. (i) To approve proposals concerning the design and use of all new facilities and the repurposing of existing facilities and to routinely report these decisions for information to the Board of Governors.</p> <p>(ii) In considering such proposals, GFC FDC may provide advice, upon request, to the Provost and Vice-President (Academic), Vice-President (Facilities and Operations), and/or the University Architect (or their respective delegates) on the siting of such facilities. (GFC SEP 29 2003)</p> <p>B. Other Matters</p> <p>The Chair of FDC will bring forward to FDC items where the Office of the Provost and Vice-President (Academic) and/or the Office of the Vice-President (Facilities and Operations), in consultation with other units or officers of the University, is seeking the advice of the Committee.”</p> <p>3. UAPPOL <i>Space Management Policy and Space Management Procedure</i>: The respective roles of GFC FDC and the Vice-President (Facilities and Operations) with regard to institutional space management are set out in this Board-approved policy and attendant procedure.</p> <p>To access this policy suite on line, go to: www.uappol.ualberta.ca .</p>
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Routing (Include meeting dates)

Consultative Route (parties who have seen the proposal and in what capacity)	Students’ Union Building (SUB) Project Steering Committee
Approval Route (Governance) (including meeting dates)	GFC Facilities Development Committee (October 24, 2013) – for final approval
Final Approver	GFC Facilities Development Committee

Attachments:

1. Attachment 1 (page 1) – Briefing Note
2. Attachment 2 (pages 1 – 4) – Students' Union Building (SUB) Expansion Landscape Plans
3. Attachment 3 (page 1) – 89 Avenue – 114 Street Landscape Improvements

Prepared by: Ben Louie, University Architect, Office of the University Architect, Planning and Project Delivery, Facilities and Operations, ben.louie@ualberta.ca

Landscape Plan for Students' Union Building (SUB) Expansion

BRIEFING NOTE

Background

The Design Development Report for the Students' Union Building (SUB) Expansion was approved by the Facilities Development Committee on April 25, 2013, with the landscape plan to be developed at a later date. The Office of the University Architect has advanced some detailed planning for the Open Space concept for 114 Street (87th Avenue to 89th Avenue) and the west part of 89th Avenue. The design is to inform the larger integrated campus landscape plan, with a focus on providing welcoming, safe, and barrier free access to the entrances of SUB. The design will also provide student friendly outdoor spaces that integrate campus pathways and enhance the campus experience. The goal is to ensure there is a commonality of thought and design to all the new open space and developments occurring along these major corridors.

Issues

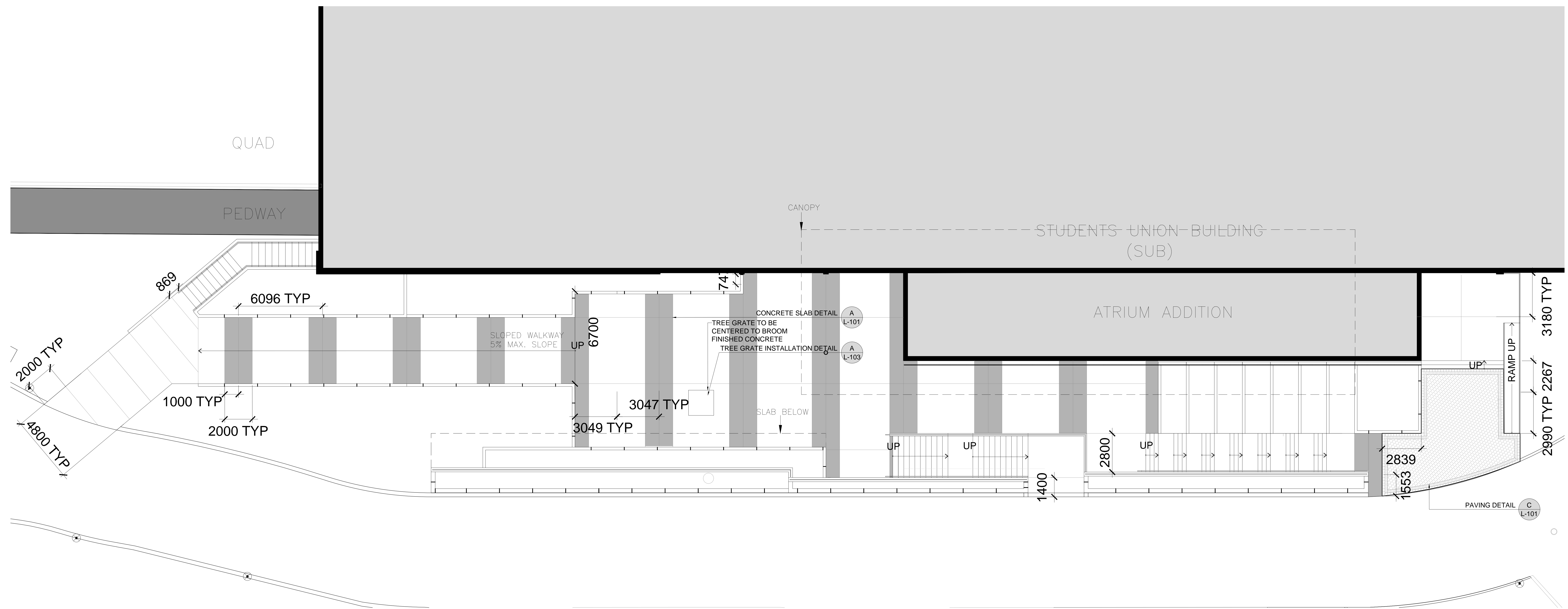
Respecting the defined scopes and budget realities for the project while attempting to realize a long term concept plan in a phased approach, the project team has adopted a strategy to provide the following (in this or future project phases as budgets permit):

1. Balancing soft landscaping and greenery with hard landscaping for programing and building entry;
2. Planting of new trees and shrubs to compensate for trees and shrubs removed for construction;
3. Creating "welcome mats" at new entrances of SUB with paving material that matches the existing paving patterns on 89 Avenue, when budget permits.
4. Soft landscaping to be selected from primarily indigenous native species and augmented with edible plant varieties.
5. Creating a lower plaza space for seating on the south side of SUB, across from the north entrance and patio of the Physical Activity and Wellness Centre (PAW).
6. Introducing five (5) new Brandon Elm trees to reinforce the signature Edmonton tradition of planting alley of trees along 89 Avenue.

The results of the landscaping interventions at this primary location, even though they are phased, will create a campus experience for the University community that is consistent with the health and wellness and character of the precinct.

Recommendation

That the Facilities Development Committee approve the motion as presented in the Outline of Issues for the proposed Landscape Plan for the Students' Union Building (SUB) Expansion project.

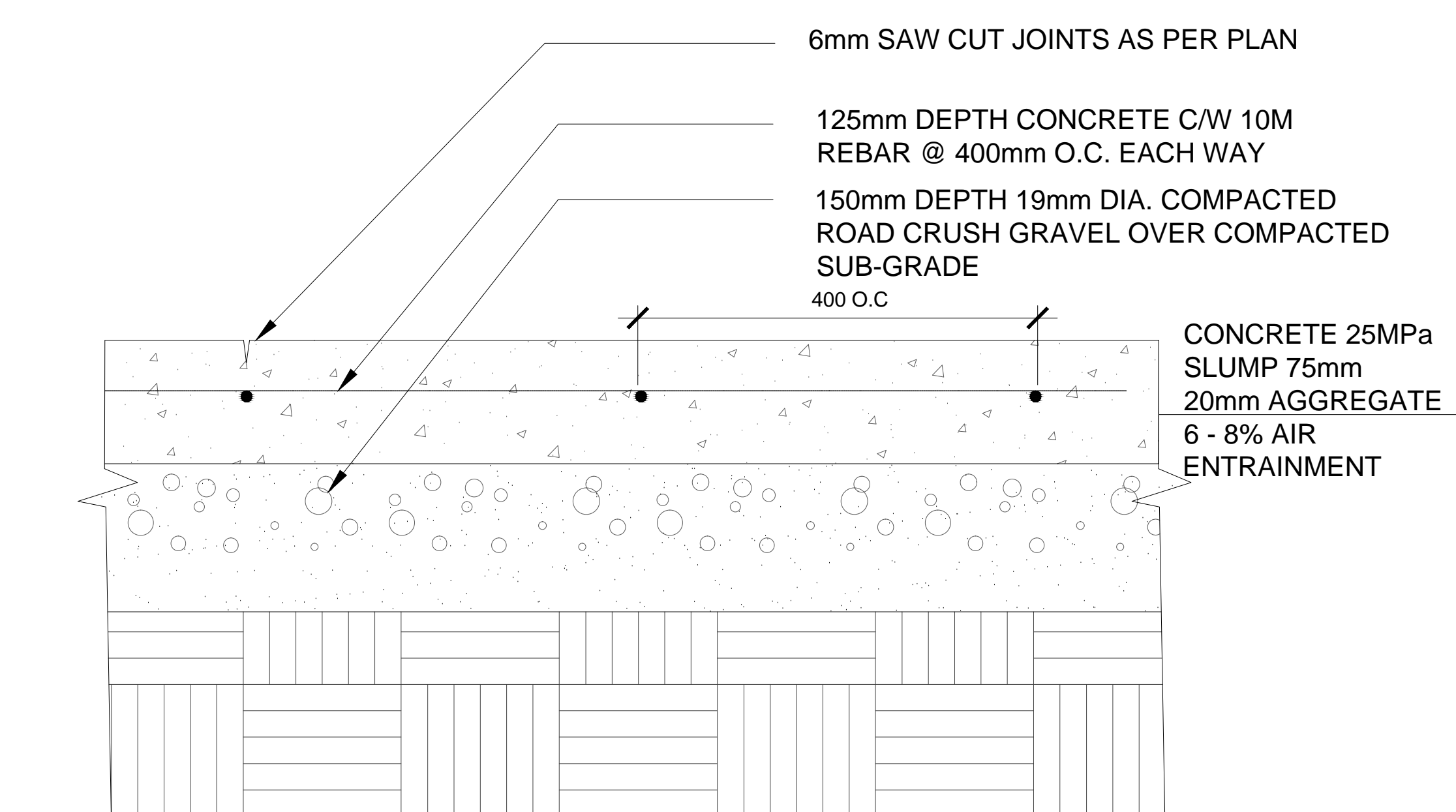


CONCRETE LAYOUT PLAN

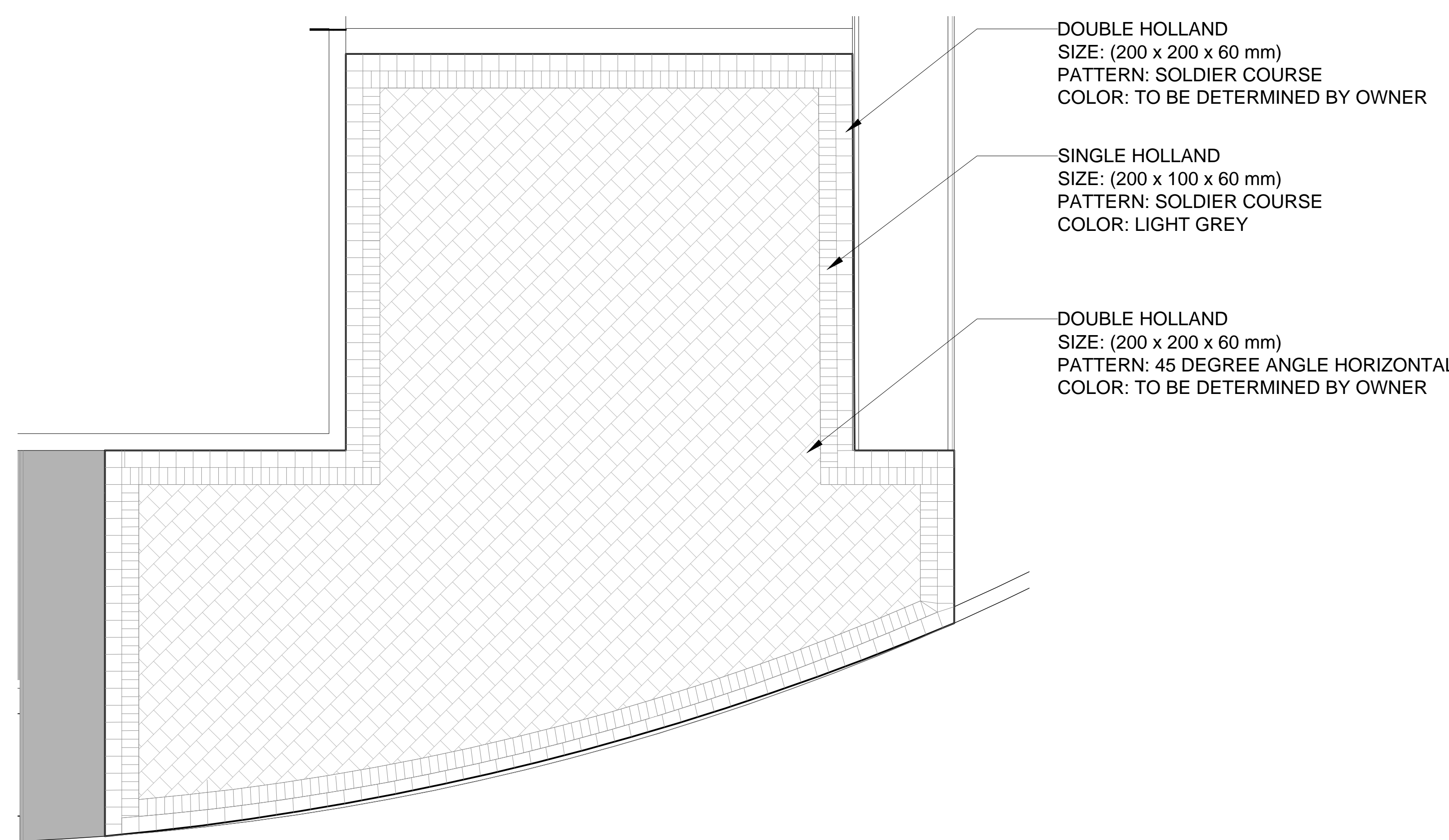
1:100

LEGEND

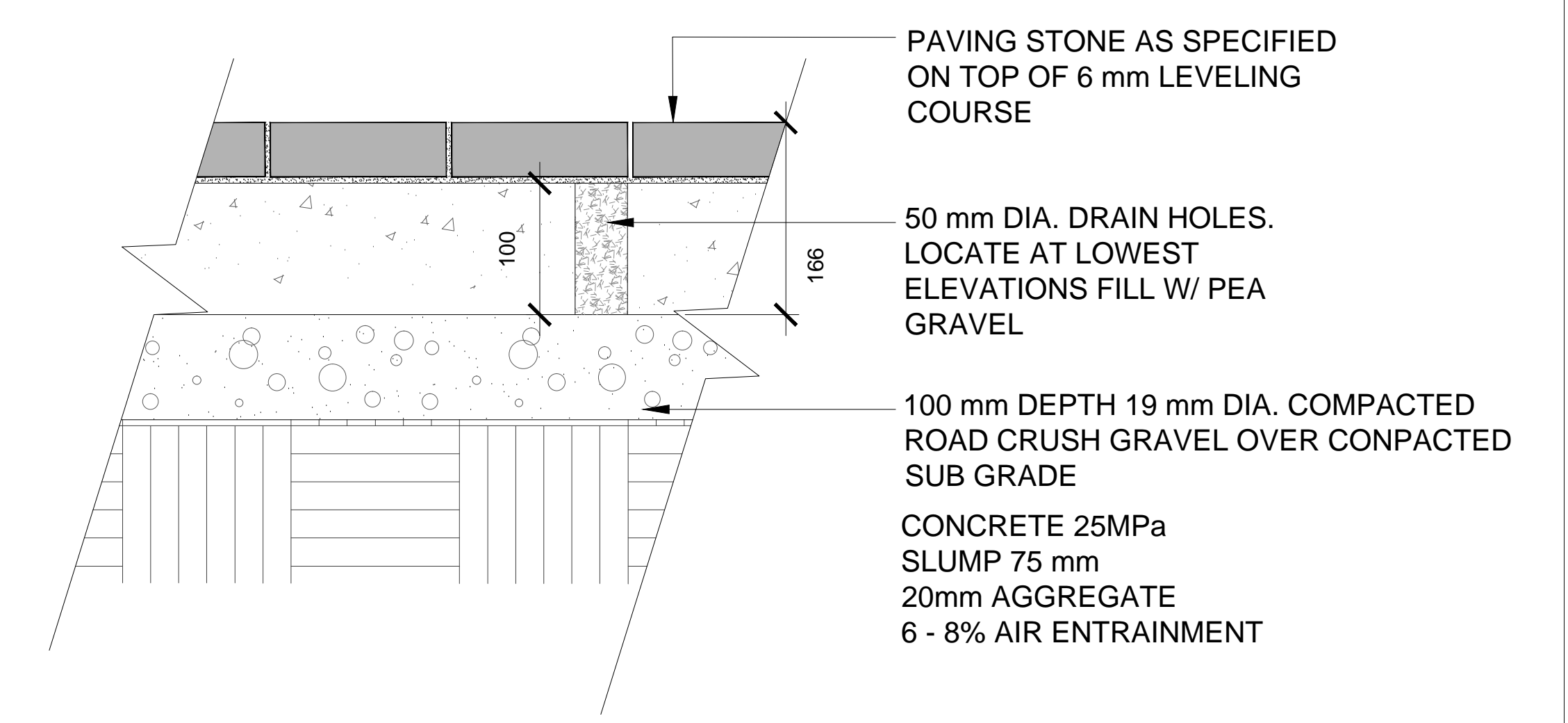
- CONCRETE- LIGHT BROOM FINISH
- CONCRETE - LIGHT SAND BLAST FINISH
- SKATE DETERRENT BY SKATE STOPPERS (www.skatestoppers.com) MODEL D-90-12 FOR 300mm WALL, MODEL D-90-8 FOR 200mm WALL
- SCORE LINE



A CONCRETE SLAB DETAIL
L-101 1:5



B PAVING PATTERN ENLARGEMENT
L-102 1:40



C PAVING DETAIL
L-101 1:5

CONCRETE LAYOUT NOTES
* ALL MEASUREMENTS IN MILLIMETERS

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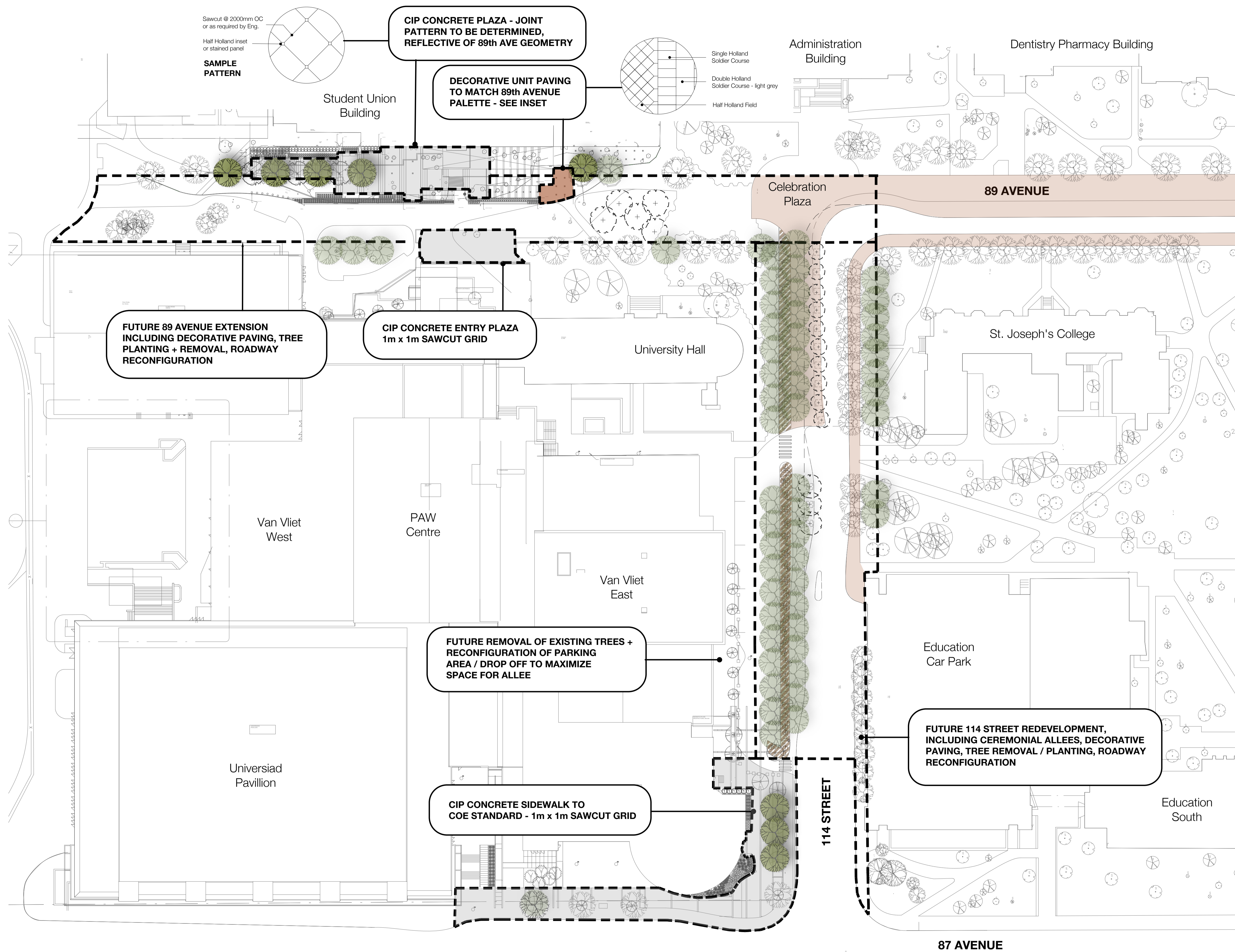
Key Plan
NORTH

Letter	Date	By	Description
A	2013/08/30	RR	Issue for Tender
B	2013/10/03	RR	Issue for Revision
C	2013/10/07	RR	Issue for Revision
D	2013/10/10	RR	Issue for Revision
E			
F			
G			
H			

Letter	Date	By	Description

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Faculty/Department **STUDENTS' UNION BUILDING**
ADDITION AND RENOVATION
Client Approval Date
Dwg Title **CONCRETE LAYOUT PLAN**

Job Number **XXXX#** Work Order Number **####**
Arch Mech Elect Struct Drawn By **RR**
Plot Date **12/02/2013 11:37:49 AM** User **A** Revision
Sheet University Dwg Num
01257E02000 **L-1.01**



LEGEND

- Existing trees to remain
- Existing trees to be removed
- Proposed boulevard tree planting Allocated from current SUB and PAW construction projects
- Future boulevard tree planting by University
- Existing decorative paving treatment (see PALETTE, above)
- Proposed decorative paving for SUB project
- Proposed concrete sidewalk / entry plaza (see plan for specific treatment)
- Future allee c/w decorative paving



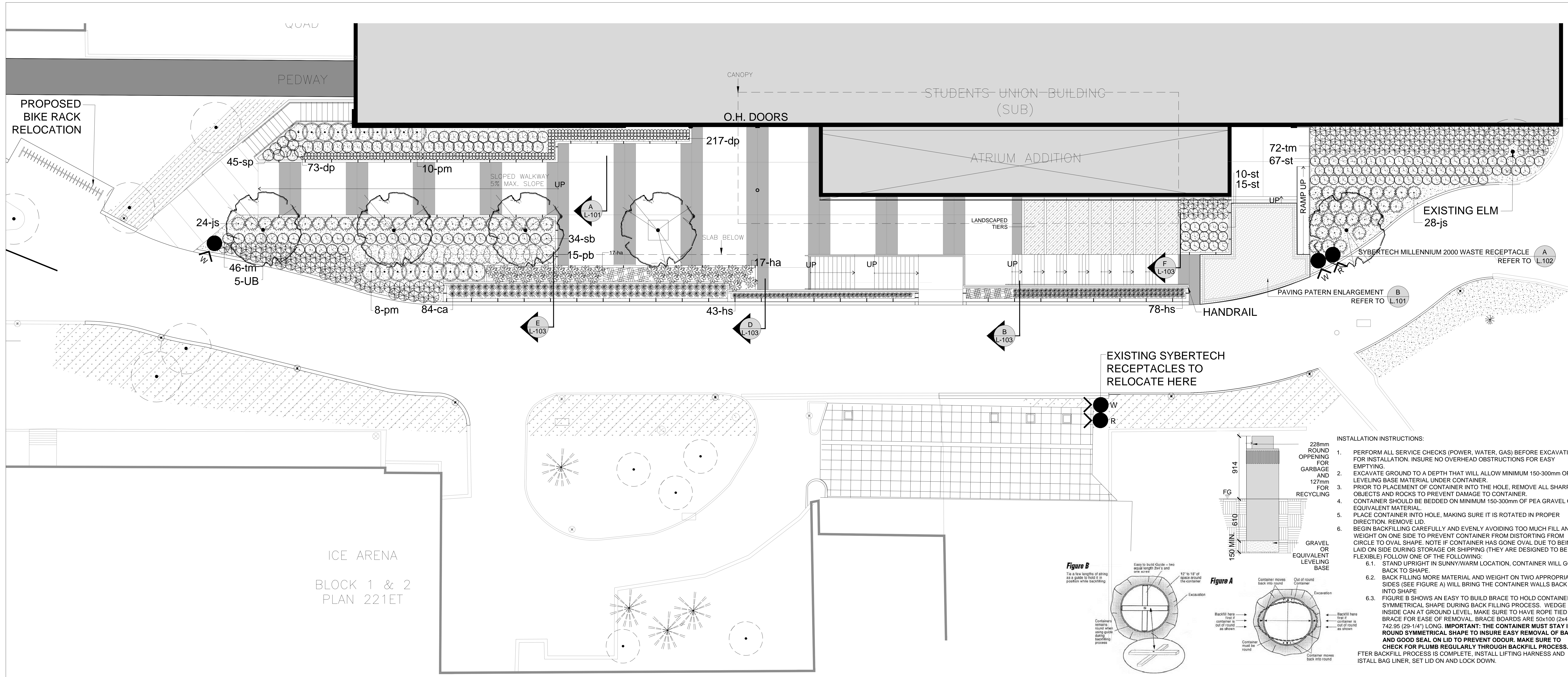
89 AVENUE / 114 STREET LANDSCAPE IMPROVEMENTS

NOT TO SCALE REV SEPT 12 / 2013

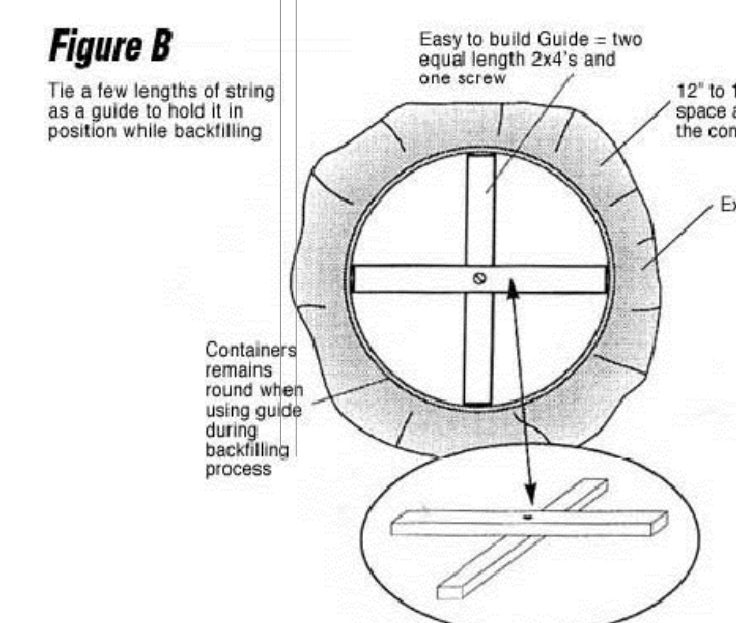
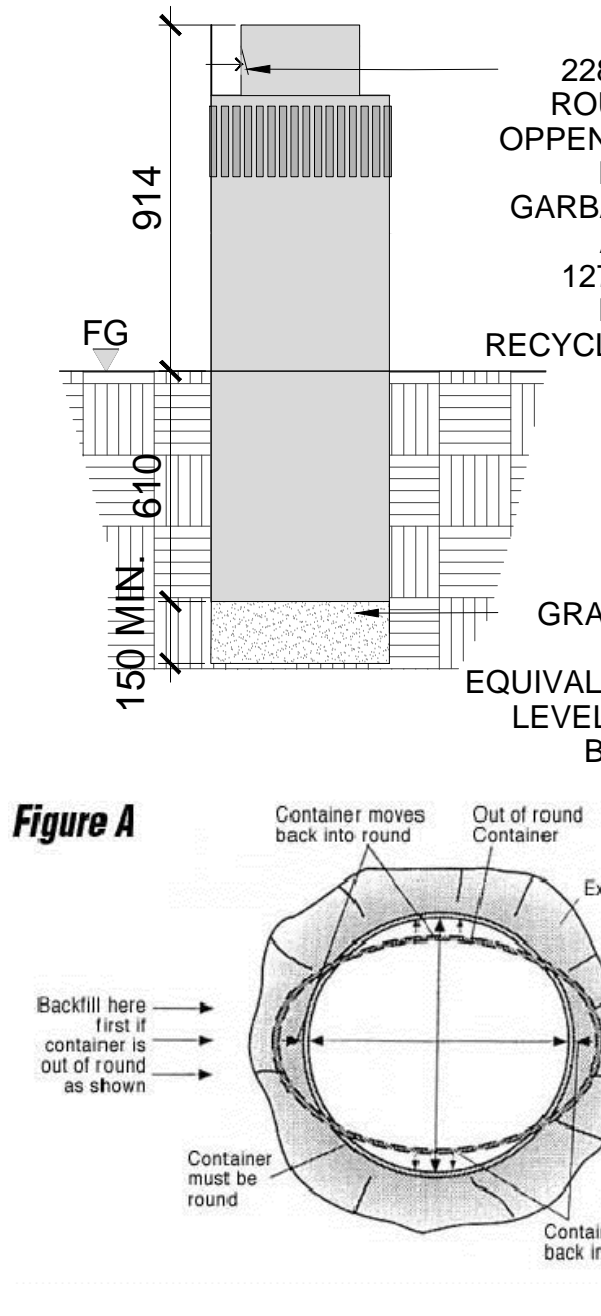
PICEA LANDSCAPE ARCHITECTURE INC /

FOR INTERNAL REVIEW ONLY

This drawing has been prepared from base information from individual design studies and inventories, supplied by the University of Alberta for the purpose of this planning exercise. PICEA Landscape Architecture Inc. cannot verify the accuracy of this data and this drawing is not intended for construction.



- INSTALLATION INSTRUCTIONS:**
- PERFORM ALL SERVICE CHECKS (POWER, WATER, GAS) BEFORE EXCAVATING FOR INSTALLATION. INSURE NO OVERHEAD OBSTRUCTIONS FOR EASY EMPTYING.
 - EXCAVATE GROUND TO A DEPTH THAT WILL ALLOW MINIMUM 150-300mm OF LEVELING BASE MATERIAL UNDER CONTAINER.
 - PRIOR TO PLACEMENT OF CONTAINER INTO THE HOLE, REMOVE ALL SHARP OBJECTS AND ROCKS TO PREVENT DAMAGE TO CONTAINER.
 - CONTAINER SHOULD BE BEDDED ON MINIMUM 150-300mm OF PEA GRAVEL OR EQUIVALENT MATERIAL.
 - PLACE CONTAINER INTO HOLE, MAKING SURE IT IS ROTATED IN PROPER DIRECTION. REMOVE LID.
 - BEGIN BACKFILLING CAREFULLY AND EVENLY AVOIDING TOO MUCH FILL AND WEIGHT ON ONE SIDE TO PREVENT CONTAINER FROM DISTORTING FROM CIRCLE TO OVAL SHAPE. NOTE IF CONTAINER HAS GONE OVAL DUE TO BEING LAID ON SIDE DURING STORAGE OR SHIPPING (THEY ARE DESIGNED TO BE FLEXIBLE) FOLLOW ONE OF THE FOLLOWING:
 - STAND UPRIGHT IN SUNNY/WARM LOCATION, CONTAINER WILL GO BACK TO SHAPE.
 - BACK FILLING MORE MATERIAL AND WEIGHT ON TWO APPROPRIATE SIDES (SEE FIGURE A) WILL BRING THE CONTAINER WALLS BACK INTO SHAPE.
 - FIGURE B SHOWS AN EASY TO BUILD BRACE TO HOLD CONTAINERS SYMMETRICAL SHAPE DURING BACK FILLING PROCESS. WEDGE INSIDE CAN AT GROUND LEVEL. MAKE SURE TO HAVE ROPE TIED TO BRACE FOR EASE OF REMOVAL. BRACE BOARDS ARE 50x100 (2x4) 742.95 (29-1/4") LONG. IMPORTANT: THE CONTAINER MUST STAY IN ROUND SYMMETRICAL SHAPE TO INSURE EASY REMOVAL OF BAG AND GOOD SEAL ON LID TO PREVENT ODOUR. MAKE SURE TO CHECK FOR PLUMB REGULARLY THROUGH BACKFILL PROCESS. AFTER BACKFILL PROCESS IS COMPLETE, INSTALL LIFTING HARNES AND INSTALL BAG LINER, SET LID ON AND LOCK DOWN.



A SYBERTECH MILLENNIUM 2000 WASTE RECEPTACLE AND RECYCLING
L-102 1:20

LANDSCAPE PLAN

1:125

PLANT LIST

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACE	COND.
TREES						
UB	5	<i>Ulmus americana</i> 'Brandon'	Brandon Elm	75mm CAL.	11915 O.C	B&B
Total Trees: 5						
SHRUBS						
js	52	<i>Juniperus sabina</i> 'Calgary Carpet'	Calgary Carpet Juniper	600mm SP.	1120 O.C	CONT.
pm	18	<i>Physocarpus opulifolius</i> 'Monlo'	Diablo Ninebark	600mm HT.	1200 O.C	CONT.
pb	15	<i>Philadelphus x 'Blizzard'</i>	Blizzard Mockorange	600mm HT.	1200 O.C	CONT.
sb	34	<i>Spiraea x bumalda</i> 'Anthony Waterer'	Anthony Waterer Spirea	600mm HT.	1000 O.C	CONT.
sp	44	<i>Spiraea prunifolia</i>	Bridalwreath Spirea	600mm HT.	900 O.C	CONT.
st	82	<i>Spiraea triloba</i> 'White Swan'	White Swan Three Lobed Spirea	600mm HT.	850 O.C	CONT.
tm	119	<i>Taxus media</i> 'Tauntoni'	Taunton Yew	600mm HT.	900 O.C	CONT.
Total Shrubs: 364						
PERENNIALS						
ca	84	<i>Calamagrostis x acutiflora</i> 'Avalanche'	Karl Forester Feather Reed Grass	150mm POT	600 O.C	POT
dp	290	<i>Dianthus</i> 'Bath's Pink'	Bath's Pink Pinks	150mm POT	300 O.C	POT
hs	119	<i>Helictotrichon sempervirens</i>	Blue Oat Grass	150mm POT	400 O.C	POT
ha	34	<i>Hosta</i> 'Aboriginata'	White Variegated Hosta 'Montana'	150mm POT	1230 O.C	POT
Total Perennials: 527						

NOTES FOR THE CONTRACTOR

- NO USE OF SKID STEERS ON CONCRETE.
- PLANTERS TO BE FILLED WITH SOIL USING A CONVEYER BELT OR MANUALLY INSTALLED.
- USE PLANTING SOIL TYPE 3:1:1 TO FILL PLANTERS AND BEDS. USE HIGH QUALITY AGRICULTURAL GRADE SCREENED SOIL FOR TIERED MICRO-CLOVER PLANTERS.
- USE CAUTION WHEN WORKING AROUND NEW CONCRETE; USE 19 mm THICK PLYWOOD SHEETS TO COVER PATHS AND PLANTER WALLS THAT MAY BE IN CONTACT BY WORKERS AND MACHINERY.
- CLEANUP ANY SCUFFS AND MARKS CAUSED BY WORKERS AND MACHINERY WITH A BRUSH, SOAP AND WATER.

LEGEND

- SOD REPAIR AREA ON TOP OF 150 mm TOP SOIL
- SKATE DETERRENT BY SKATE STOPPERS (www.skatestoppers.com) MODEL D-90-12 FOR 300mm WALL, MODEL D-90-8 FOR 200mm WALL
- SYBERTECH MILLENNIUM 1000 WASTE RECEPTACLE (QTY 2) AND RECYCLING (QTY 1) COLOR: BEIGE (www.swrl.com)
- MICRO-CLOVER TURF FILES - PRE-GROWN BY EAGLE LAKE TURF FARMS 1.403.262.5600
- ANNUAL PLANTING BED AREA (LEFT OPEN)
- MEDIUM GRADE SPRUCE/PINE BARK MULCH TO 100mm DEPTH

ADD 7.5-10CM OF ORGANIC MATTER (COMPOST) TO SOIL SURFACE OF PERENNIAL BED AREA AND DIG IN ONE SPADE'S DEPTH.

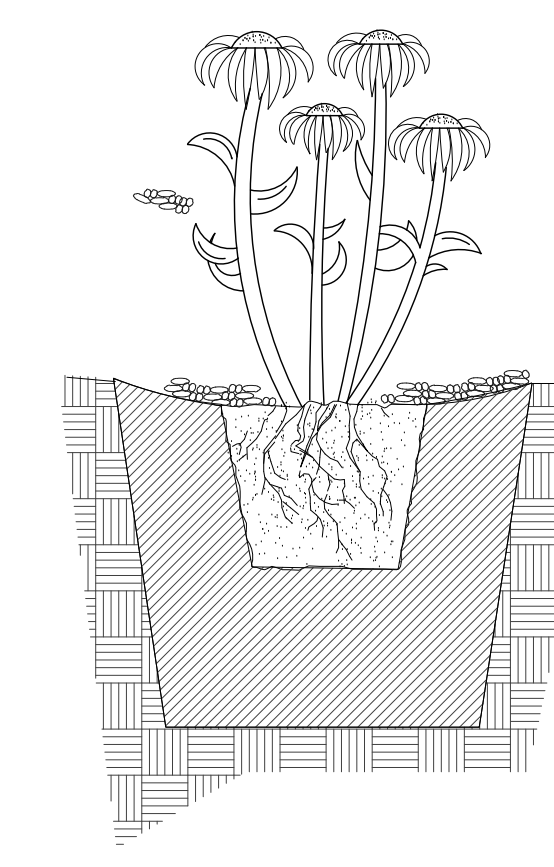
IN HOT, DRY AREAS, ADD AN ADDITIONAL 5-7.5CM OF ORGANIC MATTER DIG 300 X 300MM HOLE (OR TWICE THE WIDTH & DEPTH OF POT) ADD 2 HANDFULS OF BONE MEAL. LIGHTLY STIR INTO BOTTOM OF PLANTING HOLE.

REMOVE PLANT FROM POT, GENTLY UNTANGLE THE ROOT BALL TO ENABLE ROOTS TO SPREAD.

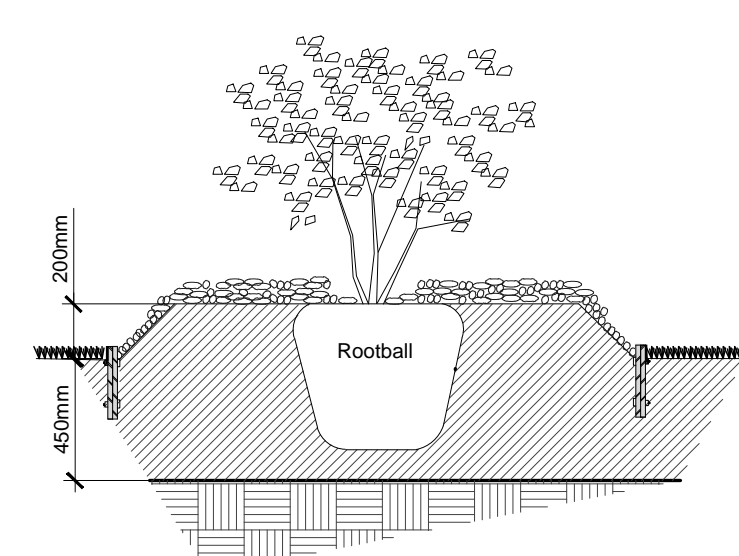
REFILL PLANTING HOLE WITH ADDITIONAL SOIL. SET PLANT LEVEL AND AT HEIGHT IT WAS IN POT. STIR BONE MEAL INTO ADDITIONAL SOIL. PLACE PLANT IN HOLE AND FIRMLY PACK SOIL AROUND IT, LEAVING A SMALL DEPRESSION AROUND THE BASE OF PLANT.

WATER UNTIL SOIL IS COMPLETELY SOAKED. NEW PLANTS ARE TO BE WATERED REGULARLY AND THOROUGHLY TWICE A WEEK FOR THE FIRST YEAR AFTER PLANTING.

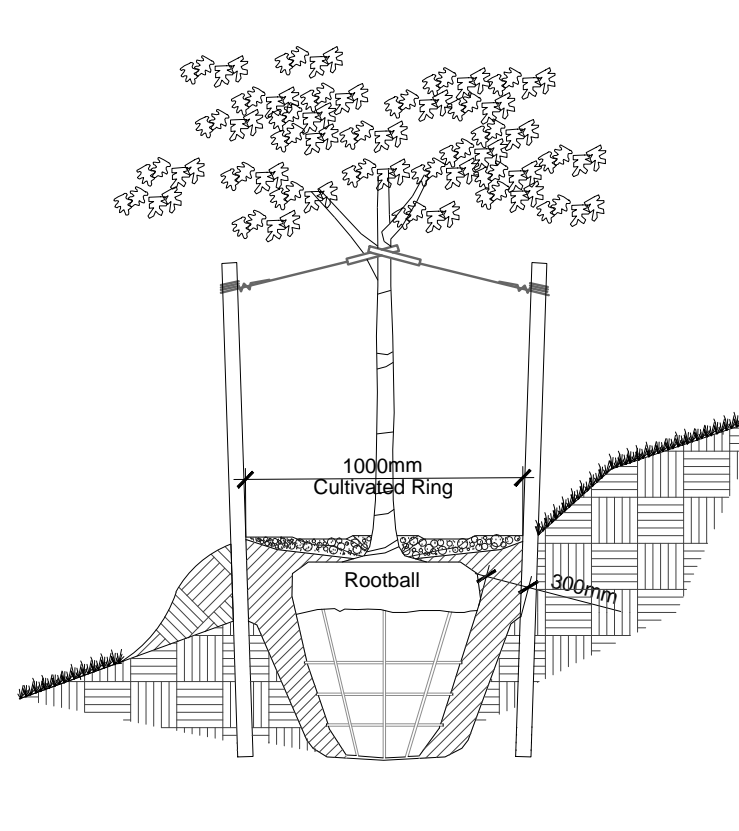
FERTILIZE EVERY MONTH WITH 20-20-20 UNTIL THE FIRST WEEK OF AUGUST.



TYP PERENNIAL PLANTING DETAIL
L-02 NTS



TYP SHRUB PLANTING DETAIL
L-02 NTS



TYP TREE PLANTING ON SLOPE DETAIL
L-102 NTS

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Issue

Letter	Date	By	Description
A	2013/08/09	TW	Issue for 95% Review
B	2013/08/20	RR	Issue for 95% Review
C	2013/08/29	RR	Issue for Tender
D	2013/10/02	RR	Issue for Revised Landscape Design
E	2013/10/03	RR	Issue for Revised Landscape Design
F	2013/10/07	RR	Issue for Revised Landscape Design
G	2013/10/10	RR	Issue for Revised Landscape Design
H			

Revision

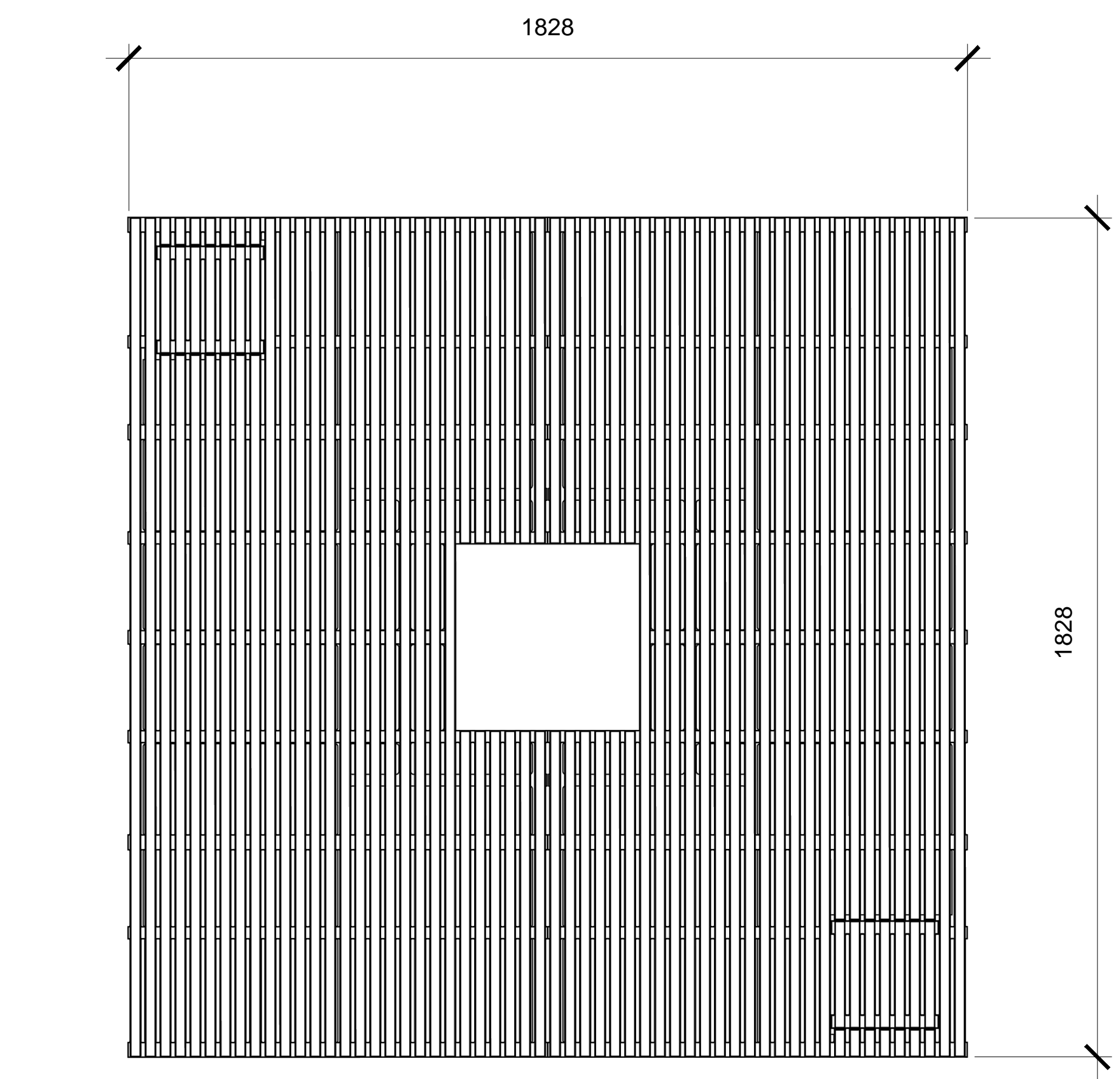
Letter	Date	By	Description

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Faculty/Department **STUDENTS' UNION BUILDING**
ADDITION AND RENOVATION
Client Approval Date
Dwg Title **LANDSCAPE PLAN AND DETAILS**

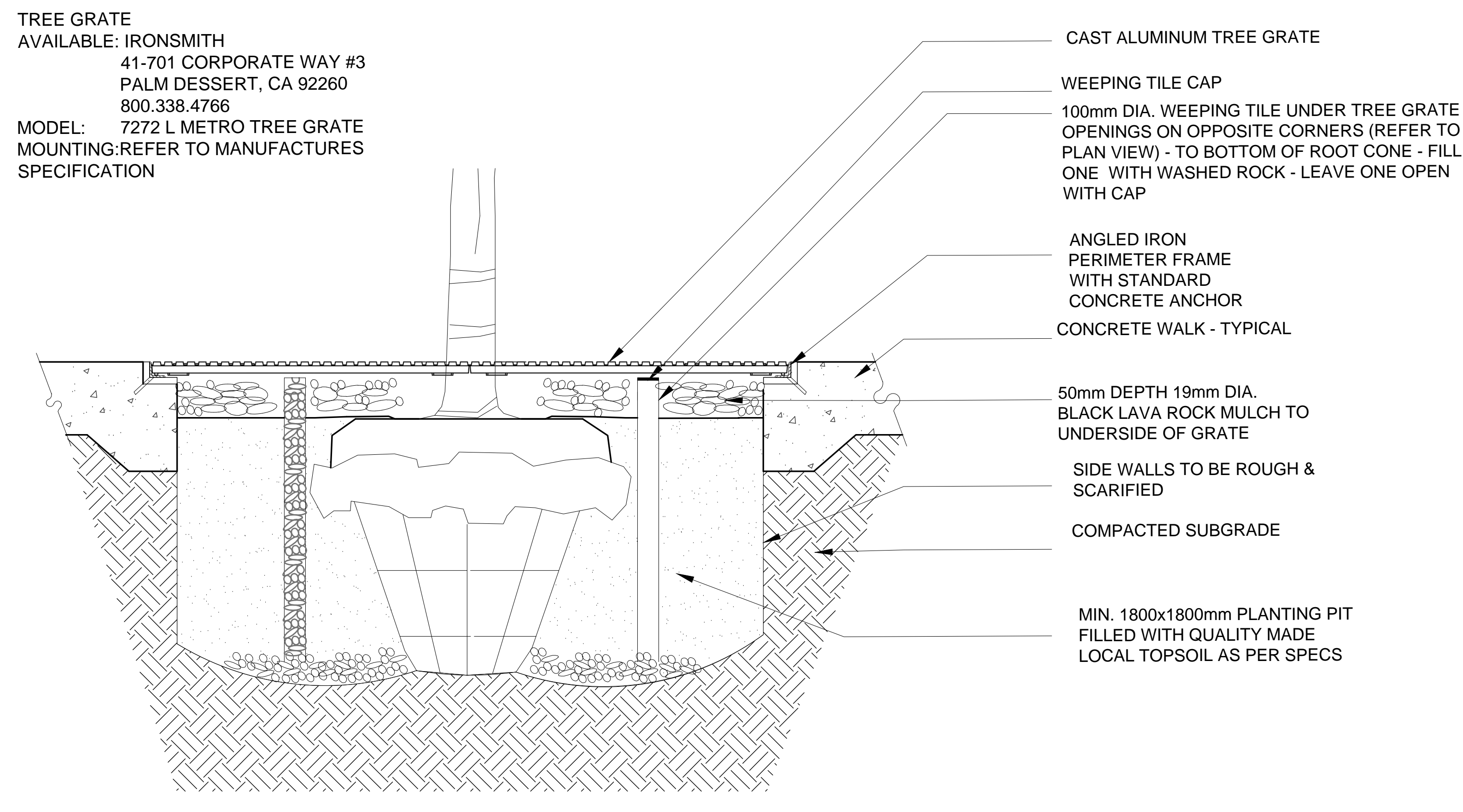
Job Number **XXXX#** Work Order Number **####**
Arch Mech Elect Struct Drawn By **RR**
Plot Date **12/02/2013 11:37:48 AM** us **A** Revision
Sheet University Dwg Num
01257E02000 **L-1.02**

Key Plan

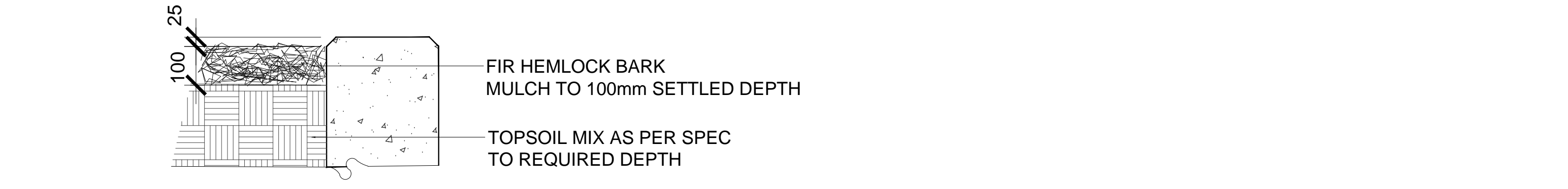




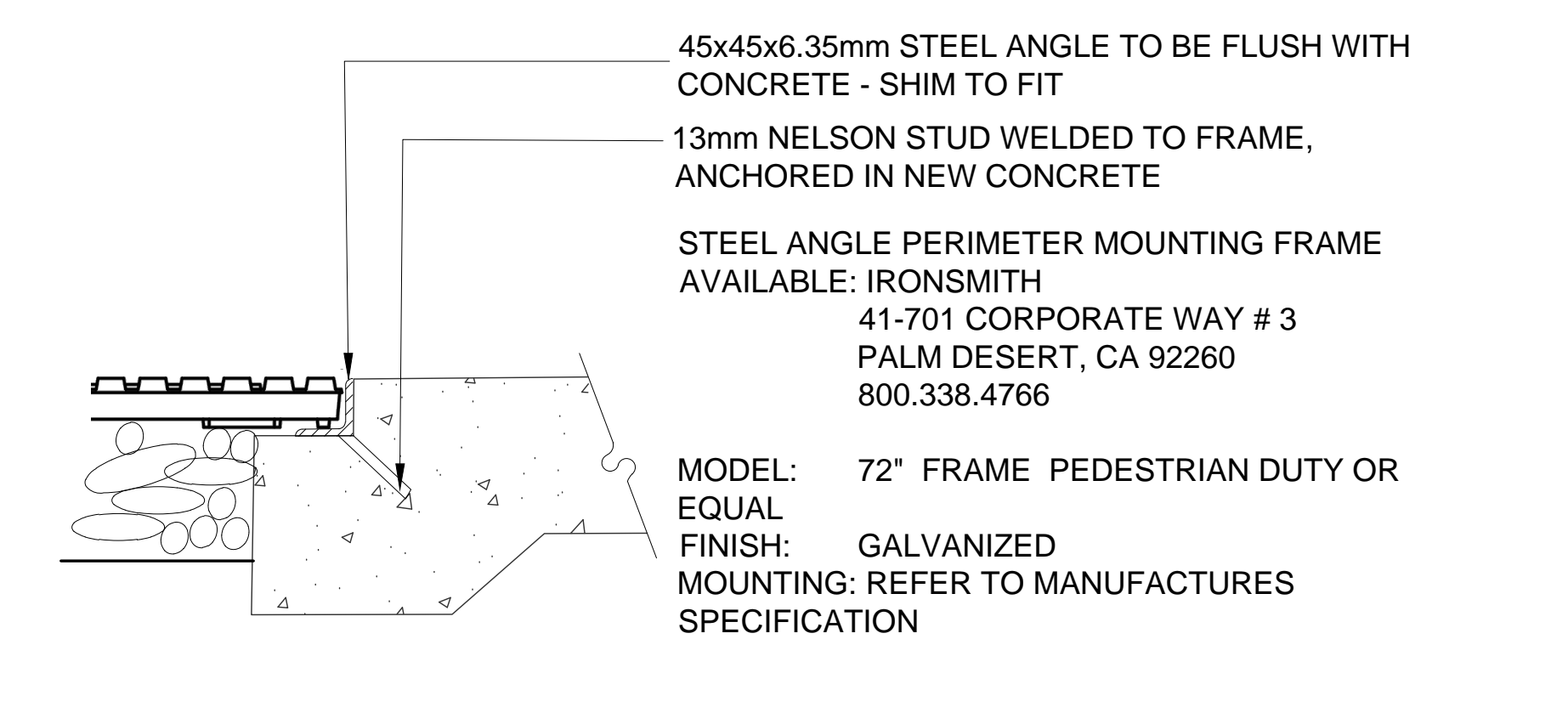
1:10 METRO TREE GRATE PLAN AND SIDE VIEWS



1:10 METRO TREE GRATE INSTALLATION DETAIL

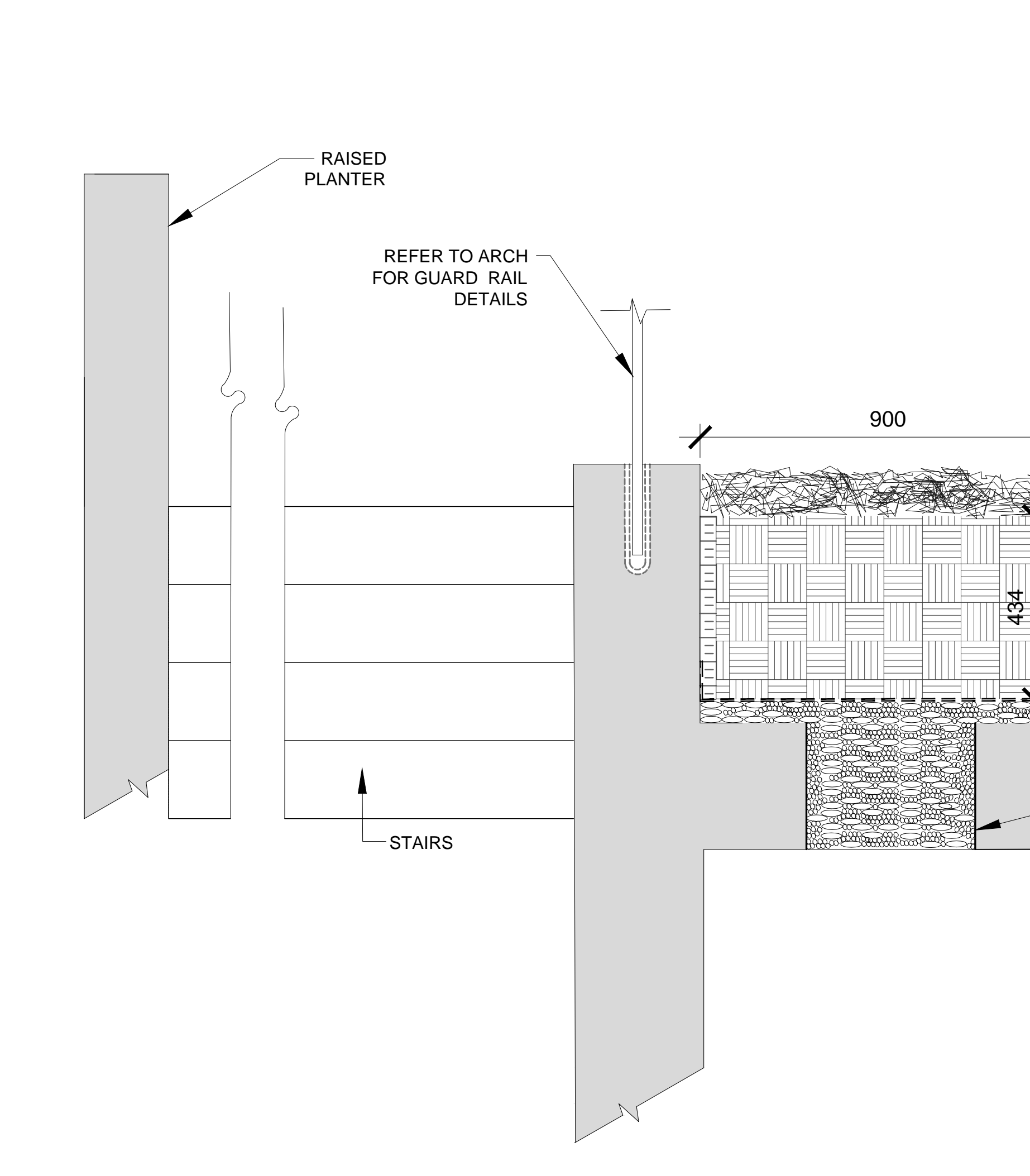


C MULCH INSTALL DETAIL 1:10

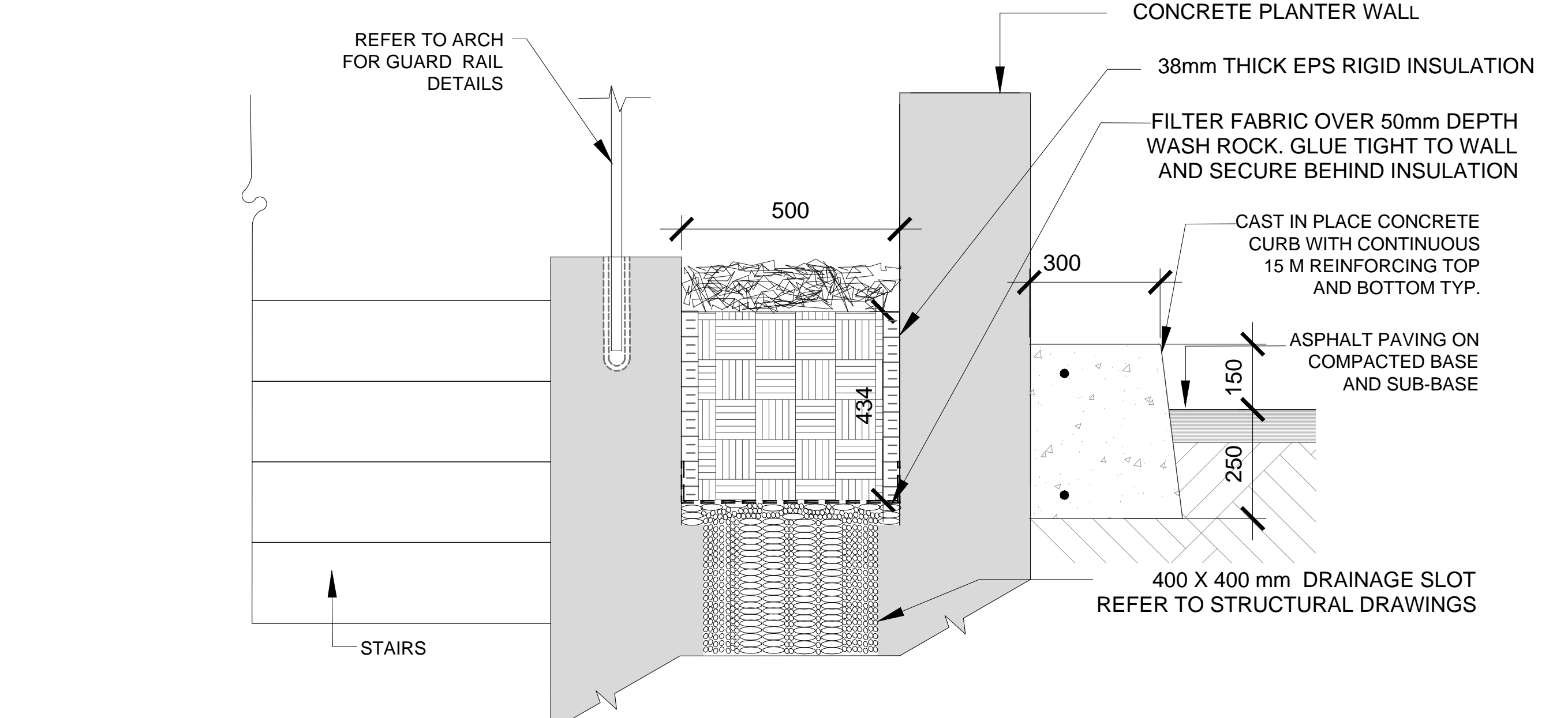


1:5 TREE GRATE FRAME INSTALLATION DETAIL

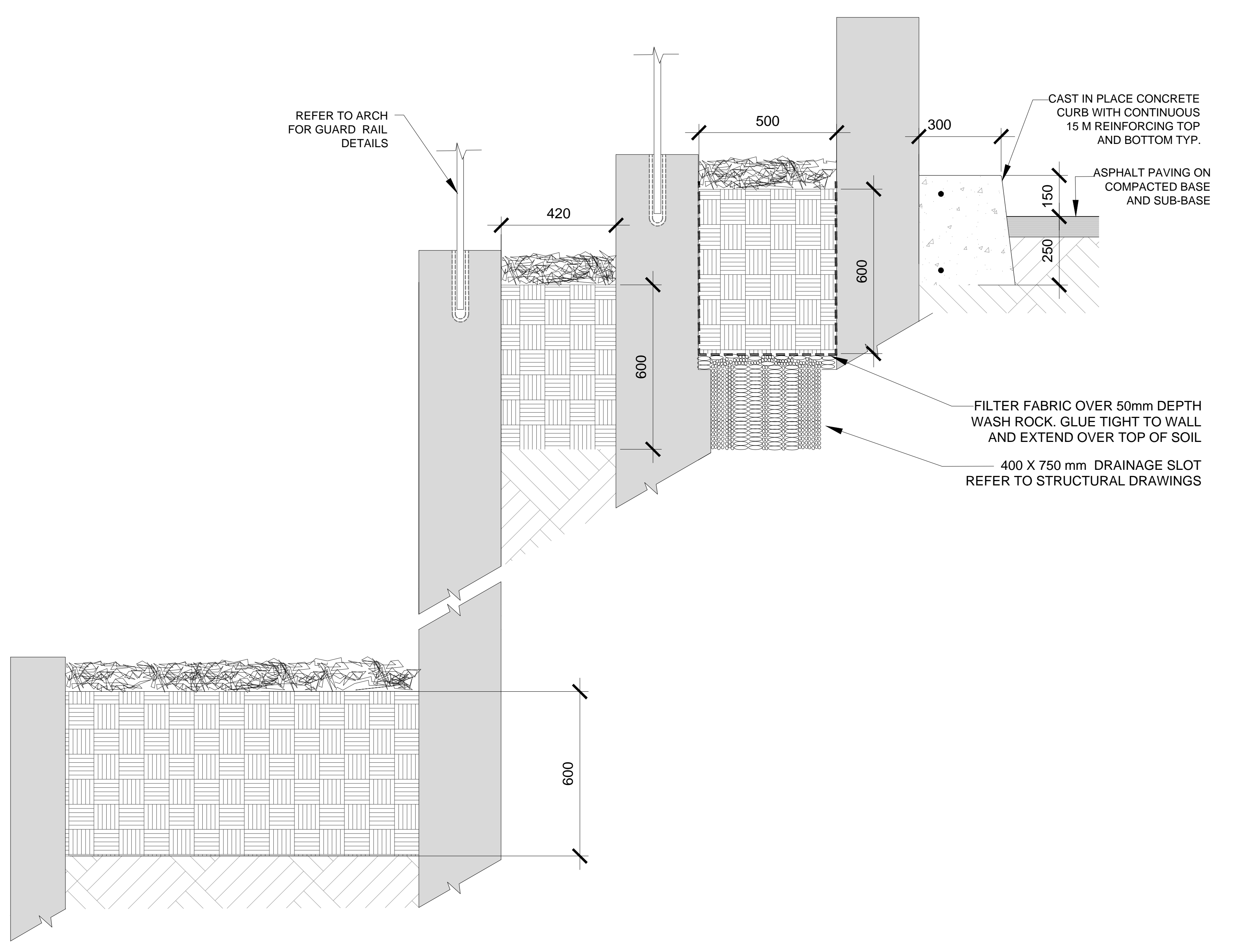
A PLAZA TREE INSTALL DETAIL 1:10



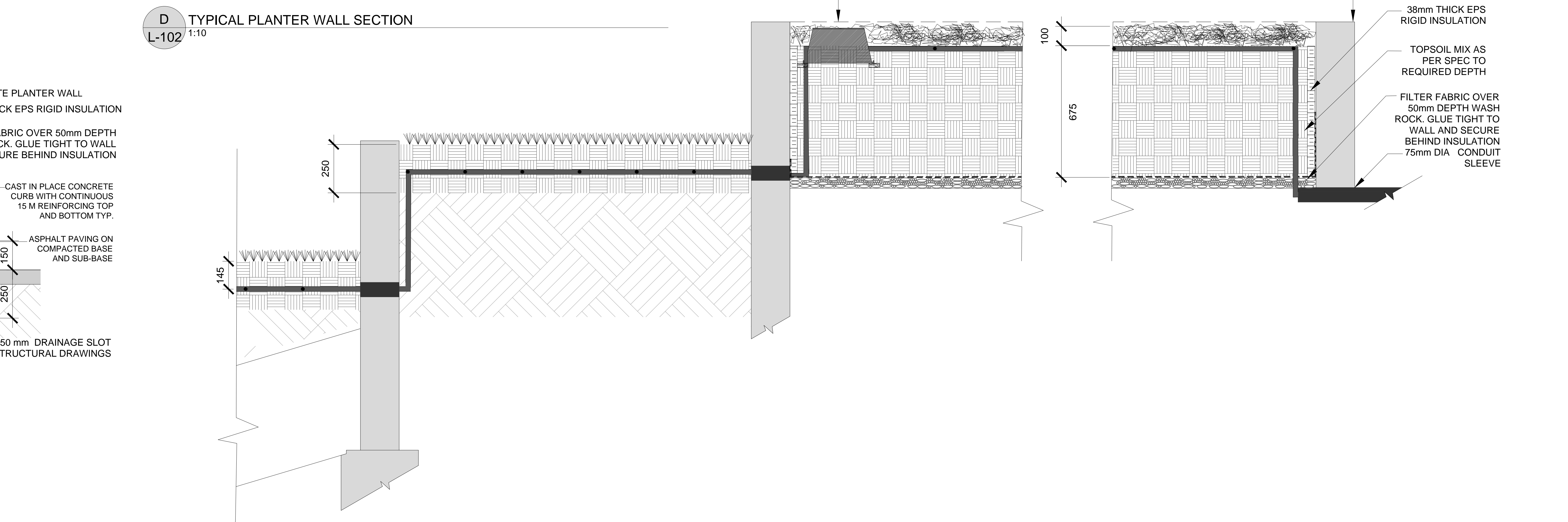
B TYPICAL PLANTER WALL SECTION 1:10



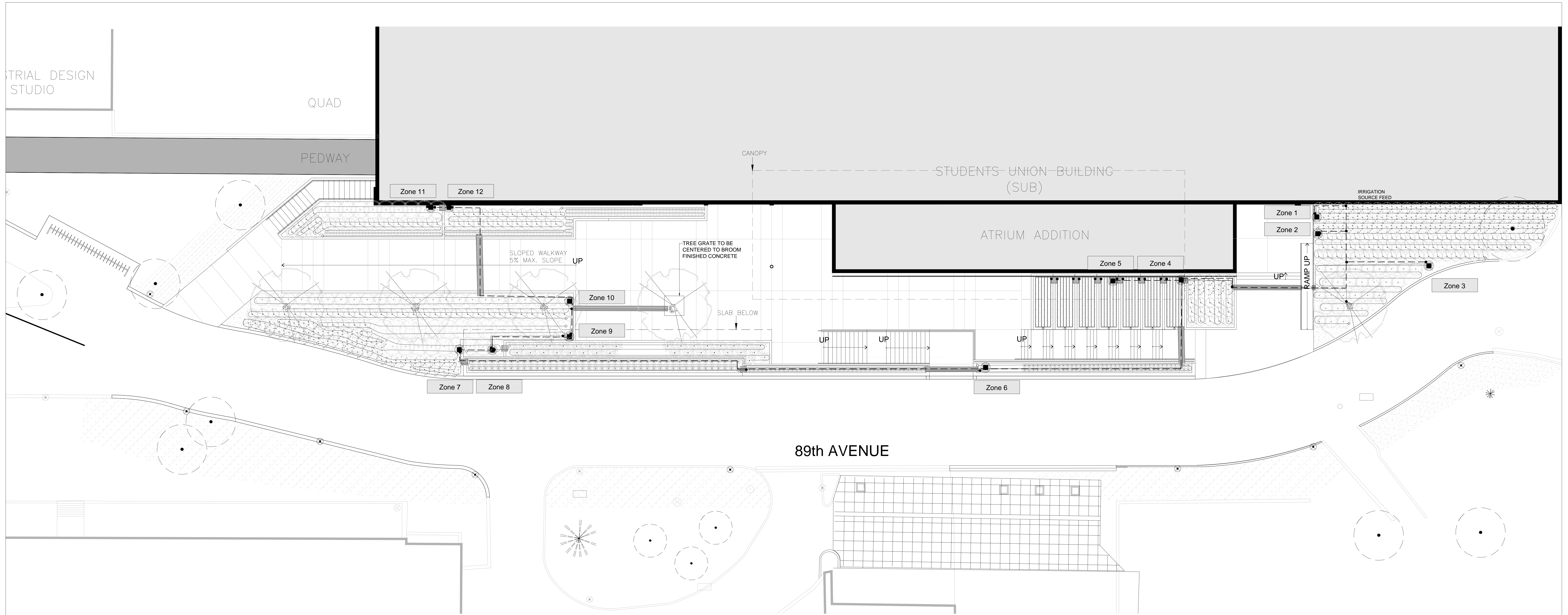
D TYPICAL PLANTER WALL SECTION 1:10



E TYPICAL PLANTER WALL SECTION 1:10



F TIERED PLANTERS: IRRIGATION AND SOIL DEPTHS DETAIL 1:10



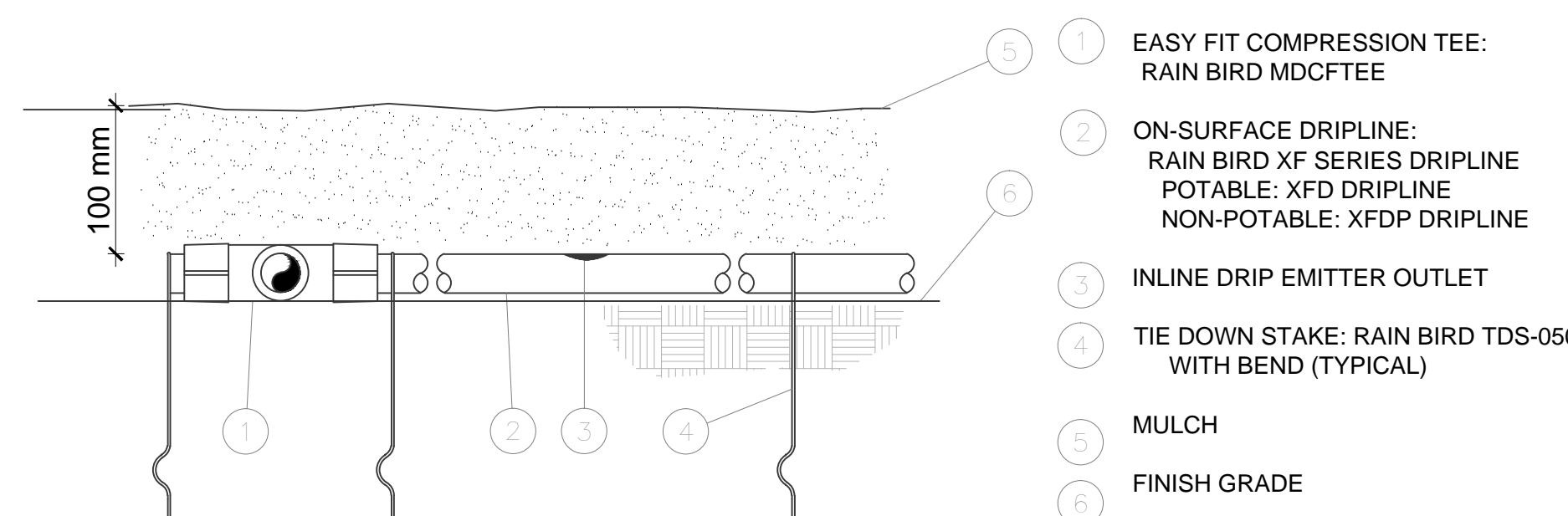
IRRIGATION PLAN

1:125

LEGEND

- CONDUIT SLEEVES 75mm DIA.
- LATERAL LINE (SIZED AS REQUIRED)
- TECHLINE CV4-1810 DRIPLINE
- TORO 590GF SERIES SPRAY HEADS
- CONTROL BOX
- CONNECTION
- CAP/FLUSH VALVE

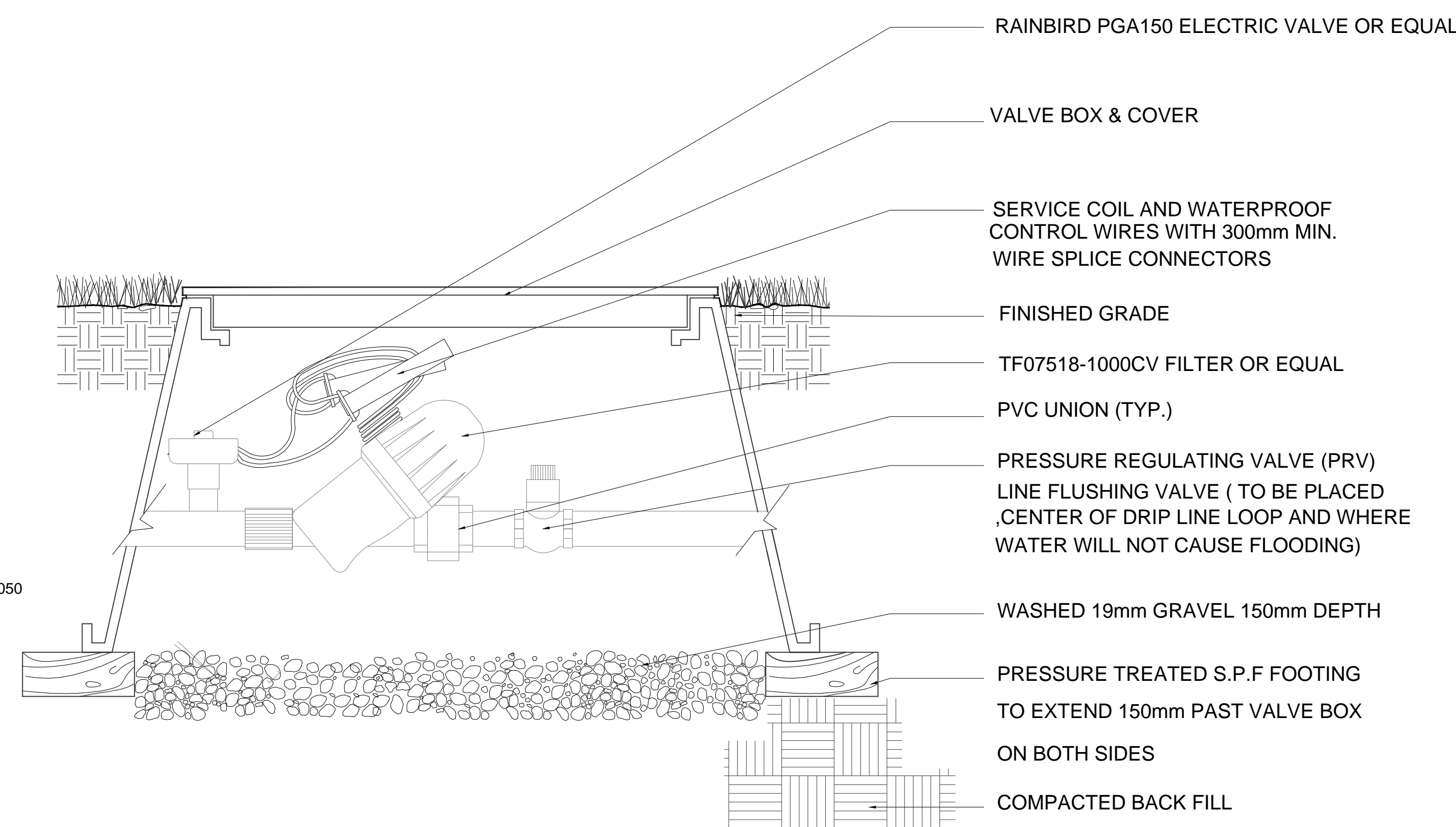
NOTE: IRRIGATION CONTROLLER AND WATER CONNECTION TO BE FROM MECHANICAL ROOM (REFER TO PLAN ON SHEET L.102, AND TO MECHANICAL DRAWINGS FOR MORE INFORMATION.)



1. EASY FIT COMPRESSION TEE: RAIN BIRD MDCFTTEE
2. ON SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFD DRIPLINE NON-POTABLE: XFDP DRIPLINE
3. INLINE DRIP EMITTER OUTLET
4. TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
5. MULCH
6. FINISH GRADE

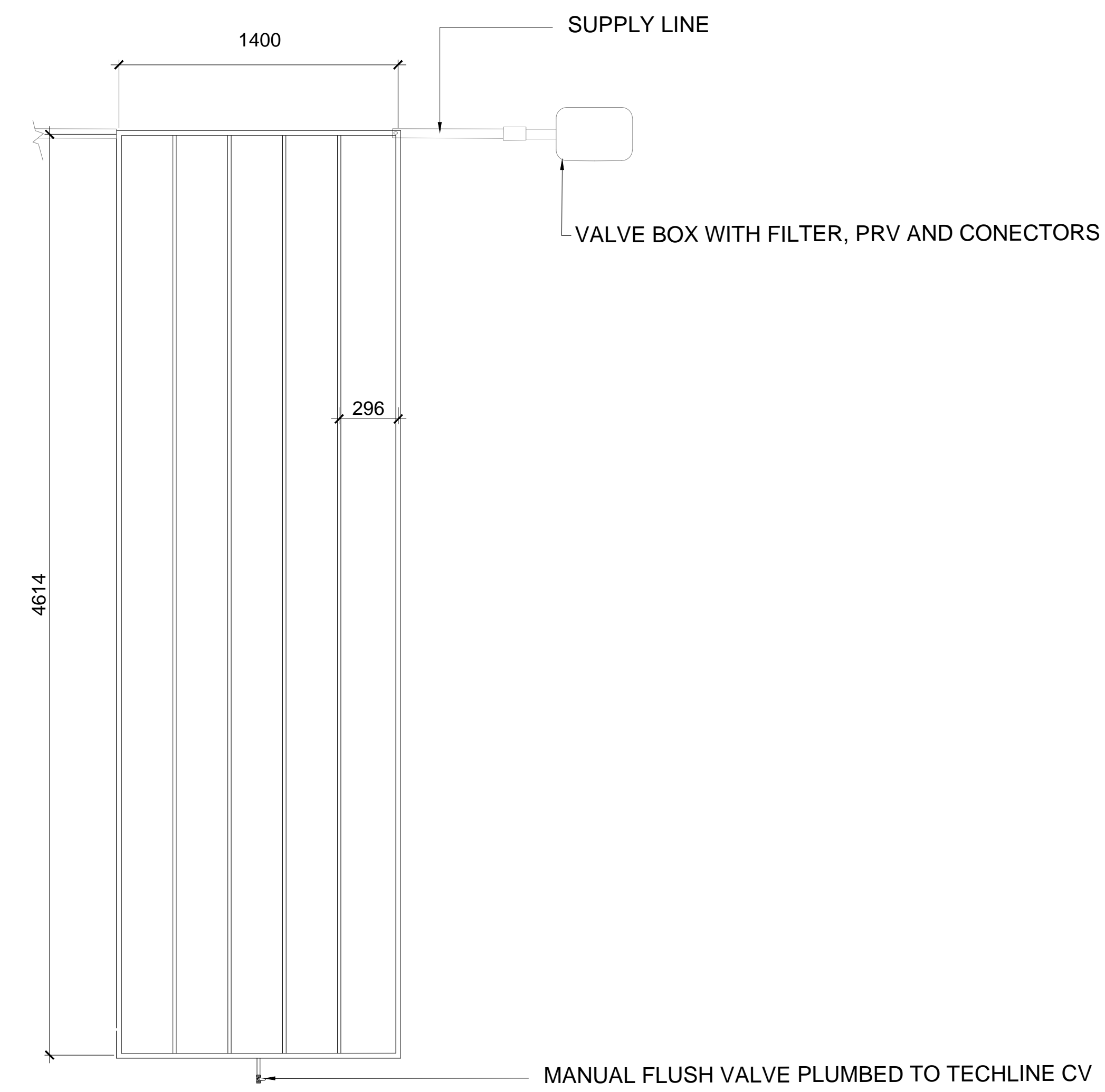
DRIP IRRIGATION ON GRADE

1/25



TYPICAL VALVE/ VALVE BOX INSTALLATION

1/25



TYP MICRO-CLOVER DRIP SUB-SURFACE IRRIGATION BY TECHLINE

1/25

IRRIGATION NOTES

- MAIN LINES STUBBED OFF AS REQUIRED TO SUPPLY STATIONS. MAIN LINES TO BE SCHEDULE 160 PIPE.
- UNDER PAVED AREAS AND WALLS, USE SCHEDULE 40 PIPE IN 75 mm DIAMETER PVC CONDUIT SLEEVE, UNLESS SPECIFIED.
- CLASS 160PVC IRRIGATION LINE SIZED AS REQUIRED. VELOCITY IS NOT TO EXCEED 5' PER SECOND.
- ELECTRIC VALVES TO BE RAINBIRD PEB. ALL VALVES MUST BE IN VALVE BOXES. ELECTRICIAN TO PROVIDE 1-1/4" CONDUIT WITH PULL.
- BACKFLOW PREVENTION TO BE SIZED AND TYPE IN ACCORDANCE WITH LOCAL CODES AND AS SPECIFIED BY MECHANICAL ENGINEER.
- USE CHECK VALVES IN SPRINKLER HEADS TO PREVENT LOW HEAD DRAINAGE AT LOW POINTS. ALLOW FOR 10% OF HEADS TO REQUIRE CHECK VALVES.
- WINTERIZATION - ENTIRE IRRIGATION SYSTEM MUST BE COMPLETELY EMPTIED OF WATER BY THE BLOW-OUT CONNECTION PROVIDED AND ATTACHING AN AIR COMPRESSOR TO IT. THIS SHOULD BE DONE BEFORE NIGHT TEMPERATURES DROP BELOW FREEZING UPON COMPLETION OF THIS WORK. THE CONTRACTOR SHALL ENSURE THAT THE OWNER'S REPRESENTATIVE IS FAMILIAR WITH THIS PROCEDURE.
- IRRIGATION SYSTEM SHALL BE CAPABLE OF AUTOMATIC GENERAL BLANKET IRRIGATION OF PLANTING BEDS.
- IRRIGATION SYSTEM SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. DURING THIS PERIOD, THE CONTRACTOR SHALL CHECK, CLEAN AND ADJUST SPRINKLER HEADS AND CORRECT DEFECTS.
- AFTER THE ENTIRE SYSTEM HAS BEEN PRESSURE TESTED AND ALL REPAIRS MADE, THE CONTRACTOR SHALL OPERATE THE SYSTEM IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE FOR ACCEPTANCE AND APPROVAL.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONNECT THE IRRIGATION SYSTEM TO NOTED WATER AND ELECTRICAL SUPPLY AS PER LOCAL REQUIREMENTS AND CODE.
- CONTROL WIRE TO BE TWU 14 GAUGE WIRE AND GROUND WIRE TO BE TWU 12 GAUGE WIRE.
- ALL DAMAGE CAUSED TO EXISTING SERVICES, PAVING AND PLANTING AREA, WHETHER THEIR LOCATION IS KNOWN OR NOT WILL BE MADE GOOD WITHOUT COST TO THE OWNER.
- IRRIGATION SYSTEM INSTALLATION TO I.I.A.B.C. STANDARDS.
- AN "AS-BUILT" DRAWING AND ALL OTHER NECESSARY INFORMATION PERTAINING TO THE INSTALLATION, OPERATION AND MAINTENANCE OF THE IRRIGATION SYSTEM SHALL BE PROVIDED FOR THE OWNER BY THE CONTRACTOR.

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DIALOG

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D.H. Walters

Key Plan

Letter	Date	By	Description
A	2013/08/09	TW	Issue for 95% Review
B	2013/08/20	RR	Issue for 95% Review
C	2013/10/07	RR	Issue for Revision
D	2013/10/10	RR	Issue for Revision
E			
F			
G			
H			

Letter	Date	By	Description

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Faculty/Department STUDENTS' UNION BUILDING

ADDITION AND RENOVATION

Client Approval Date

Dwg Title **IRRIGATION PLAN AND DETAILS**

Building STUDENTS' UNION BUILDING #54400

Job Number	XXXX#	Work Order Number	#####
Arch	<input type="checkbox"/>	Mech	<input type="checkbox"/>
Elect	<input type="checkbox"/>	Struct	<input type="checkbox"/>
Drawn By	RR	Revision	
Plot Date	12/02/2013 11:37:48 AM	us	A
Sheet		University Dwg Num	
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