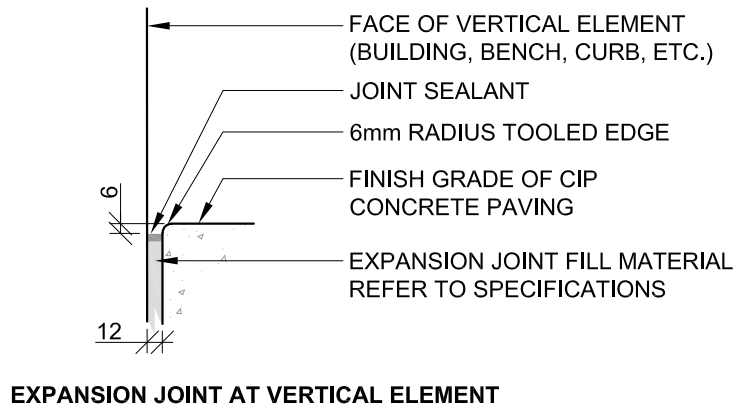
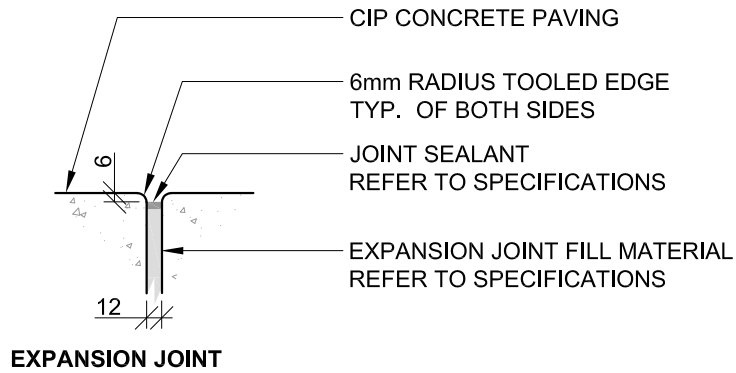
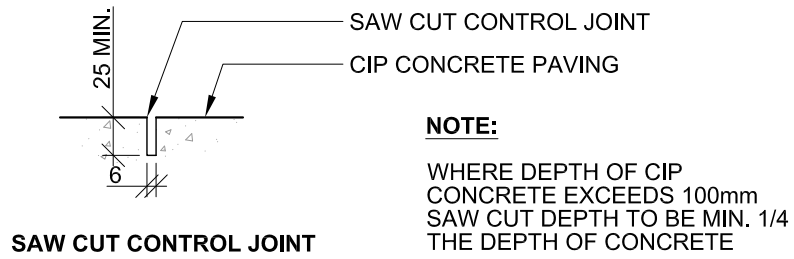


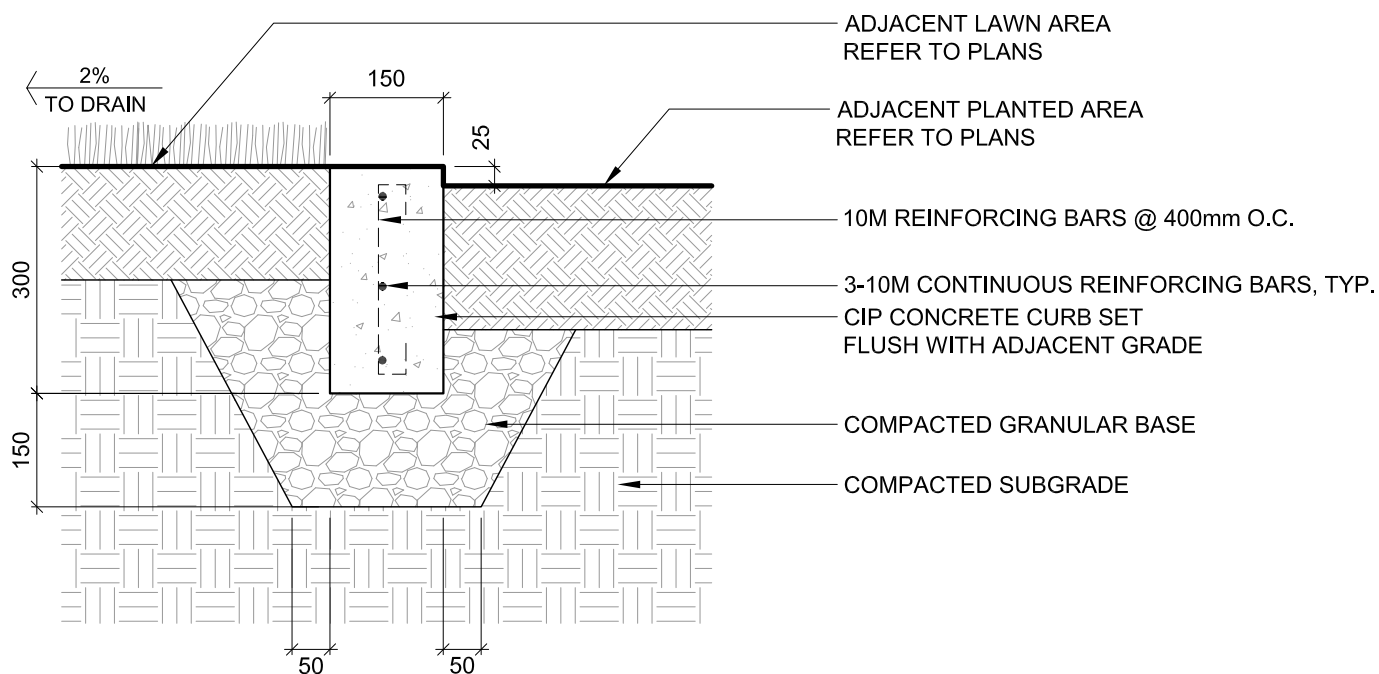
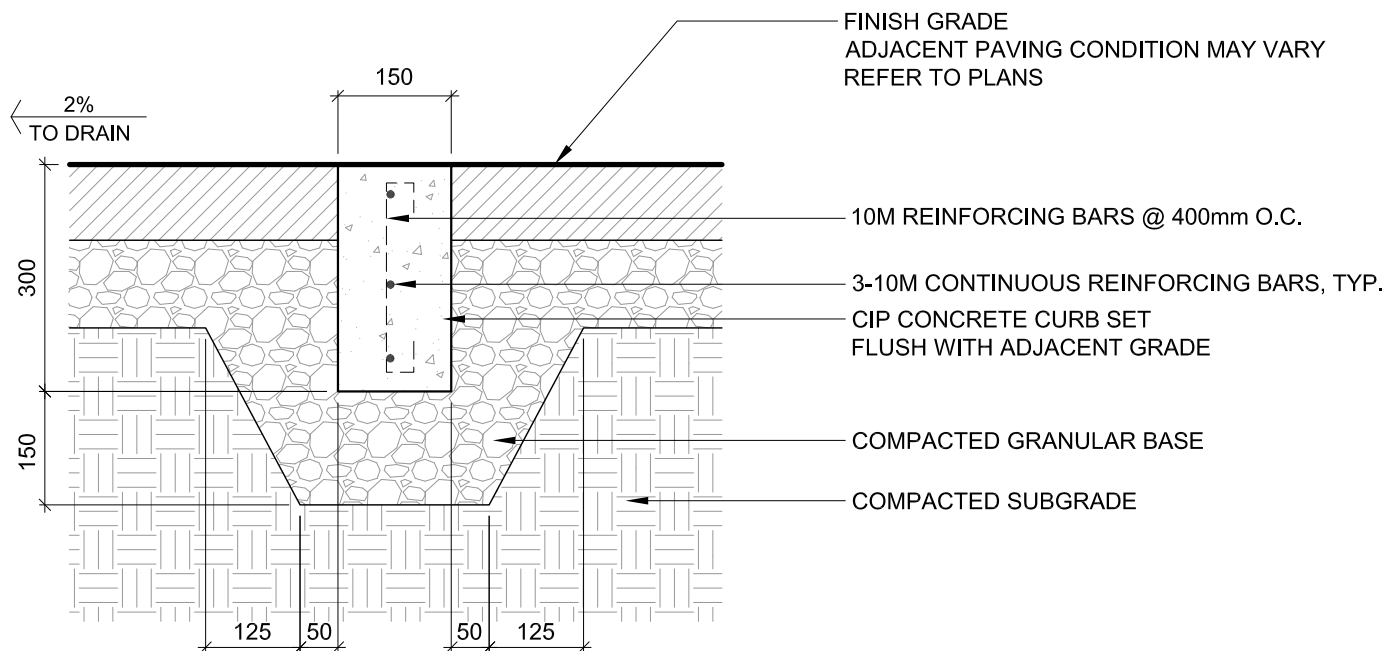
TABLE OF CONTENTS

CATEGORY	#	DESCRIPTION
1.00 Hardscape	1-01	Expansion and control joints
	1-02	CIP concrete band
	1-03-1	Concrete seat wall with expansion joints
	1-03-2	Concrete seat wall
	1-04	CIP asphalt mow band
	1-05	CIP concrete mow band
	1-06	Concrete stairs
	1-07	Handrail at concrete stairs
2.00 Infrastructure	2-01	Standard bench install
	2-02	Standard bench armrest install
	2-03	Standard bike rack installation
	2-04	Removable bollard
	2-05	Removable flush mount bollard
	2-06	Permanent bollard - non-removable
	2-07	Standard Frost Free Water Fountain
	2-08	Standard Water Fountain with Bottle Filler
	2-09	Standard picnic table
	2-10	COV parks sign
	2-11	3' Chain link fence and gate at dog park
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3.00 Pathways	3-01	Asphalt road
	3-02	Bike path over root zone
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	3-04-1	CIP concrete paving - no reinforcing
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	3-05	Wood mulch path
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	4-02	Rubber play tile
	4-03	Sand play flush edge
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	6-02	Drainage cleanout in lawn
	6-03	Drainage perforated
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CATEGORY	#	DESCRIPTION
7.00 Community Garden	7-01	Hose bib in community gardens
8.00 Planting	8-01	Tree planting
	8-02	Tree planting on slope
	8-03	Shrub Planting
	8-04	Shrub planting on slope
	8-05	Groundcover planting
	8-06	Tree protection
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	9-02	Quick coupler
	9-03	Irrigation vault
	9-04	1.5m service vault
	9-05	Isolation valve
	9-06	Irrigation trenching
	9-07	Thrust blocks
	9-08	Sleeve at parking
	9-09	Sleeve at path
	9-10	Rotor spray head
	9-11	Pop-up spray head
	9-12	Remote control valve
	9-13	Master valve assembly
	9-14	Flow sensor assembly

[illegible]





NOTE:

1. MIN. 50mm COVER OF CONCRETE OVER ALL REBAR
2. ADJACENT CONDITIONS MAY VARY, REFER TO PROJECT PLANS



DRAWING
CIP CONCRETE BAND

DATE
JUNE-2022

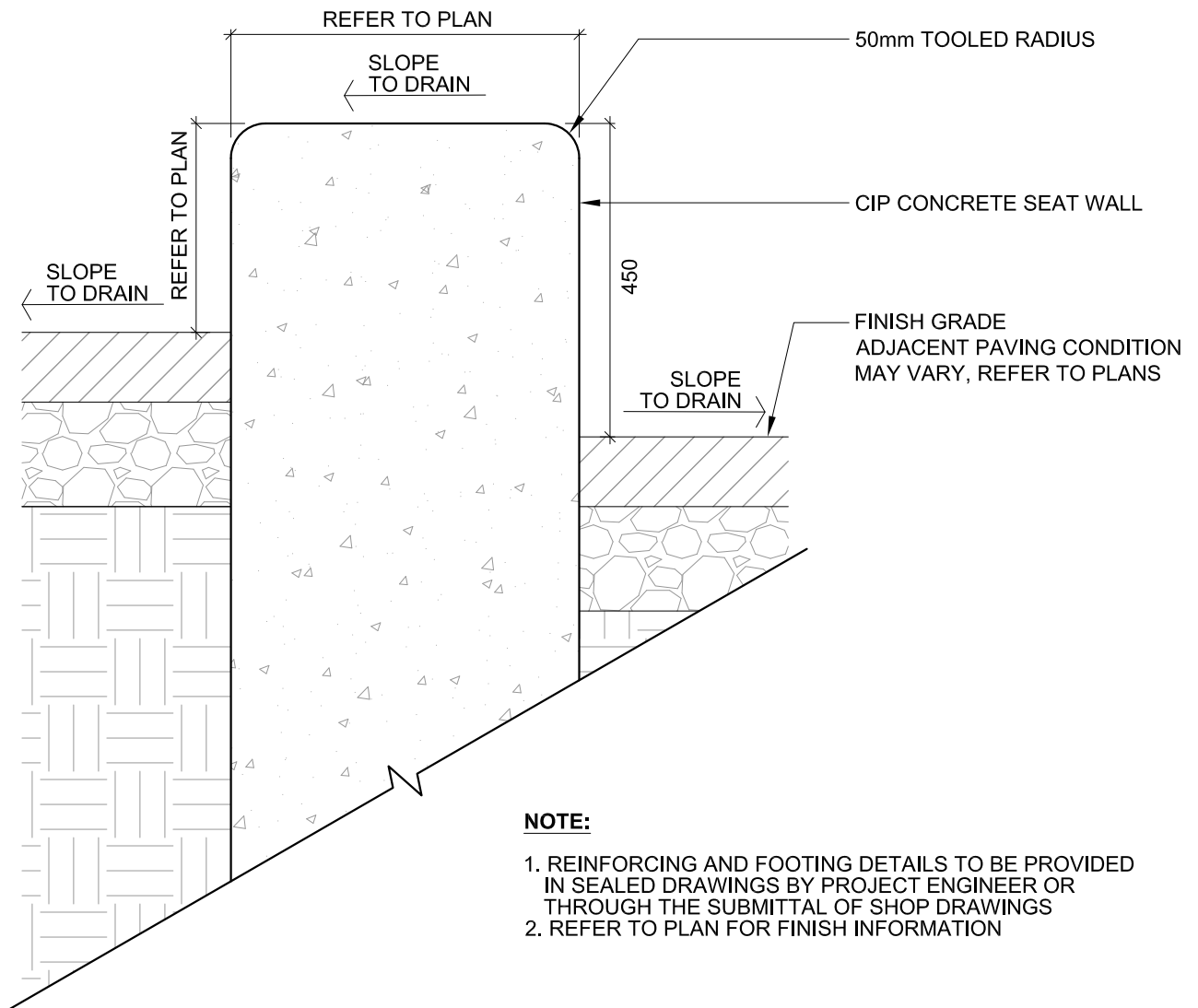
REV

SCALE
1:10

NOTES

SHEET

1-02



DRAWING
CONCRETE SEAT WALL

DATE
JUNE-2022

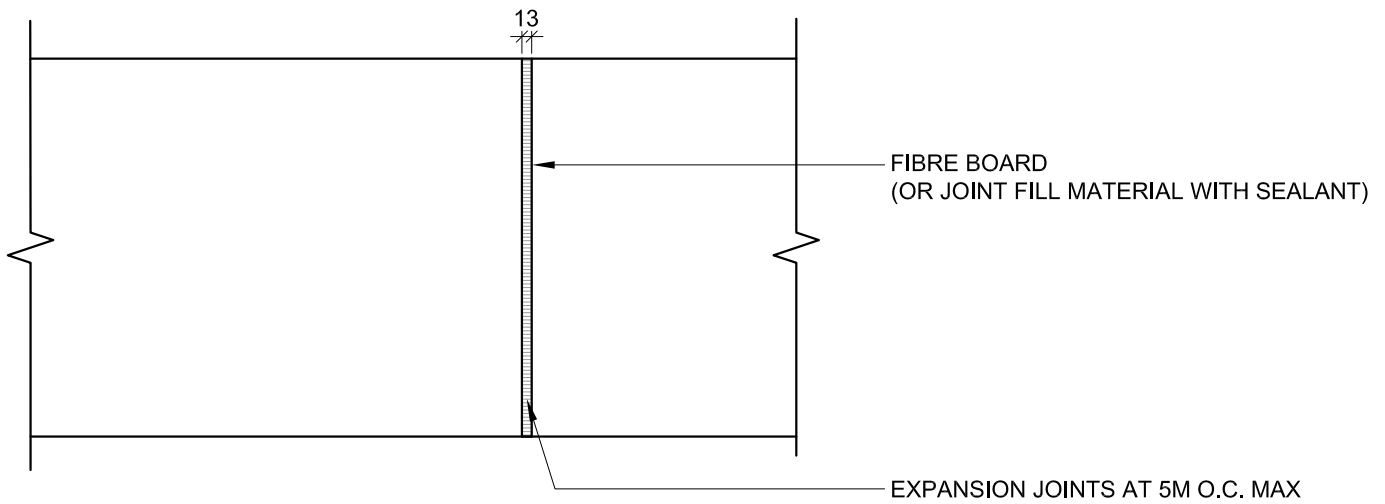
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SCALE
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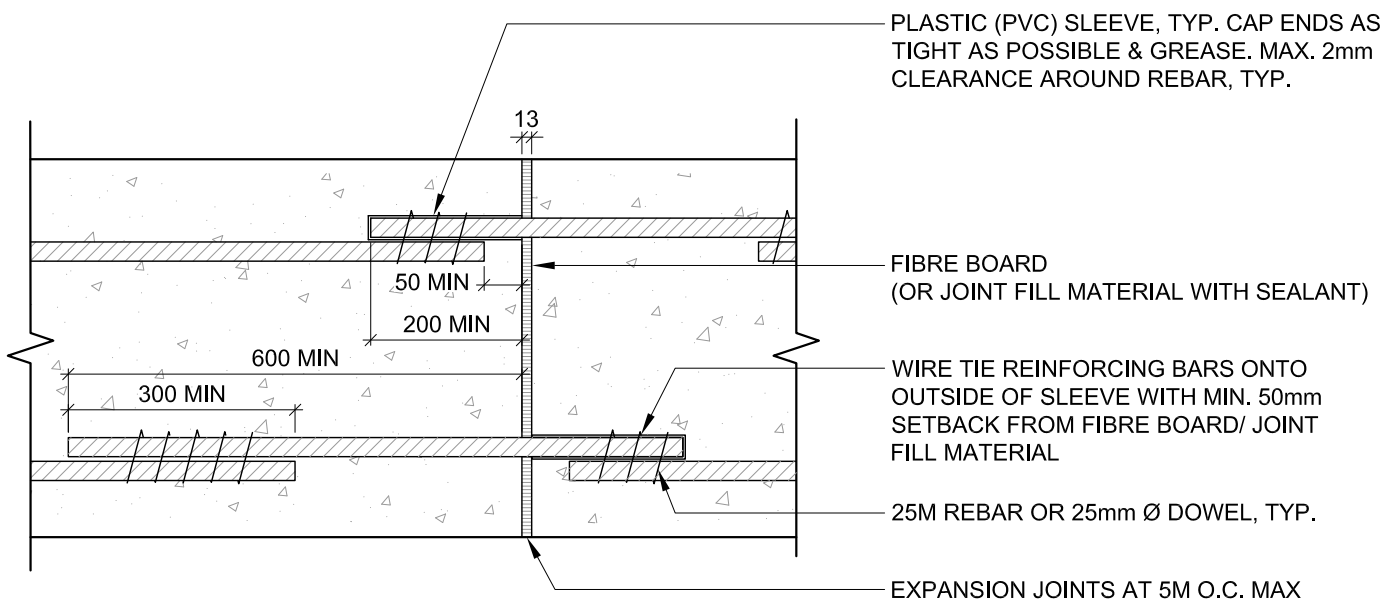
NOTES

SHEET

1-03-1



PLAN VIEW



SECTION VIEW

NOTE:

1. REFER TO PLANS FOR SEAT WALL DESIGN AND ADDITIONAL DETAILS
2. MIN. 50mm COVER OF CONCRETE OVER ALL REBAR



DRAWING
CONCRETE SEAT WALL WITH
EXPANSION JOINTS

DATE
JUNE-2022

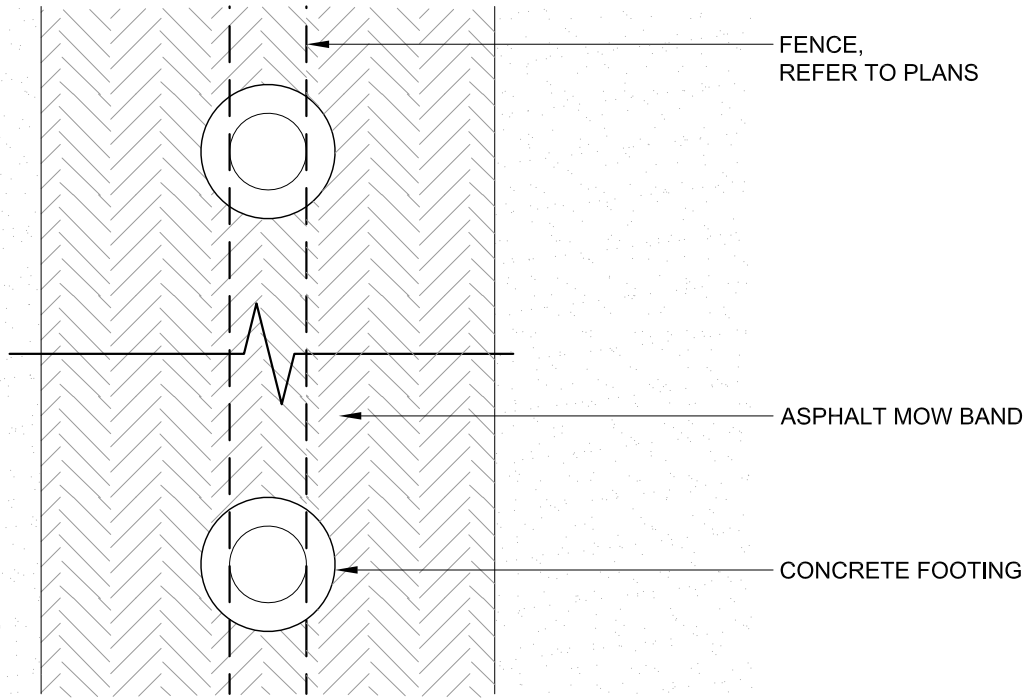
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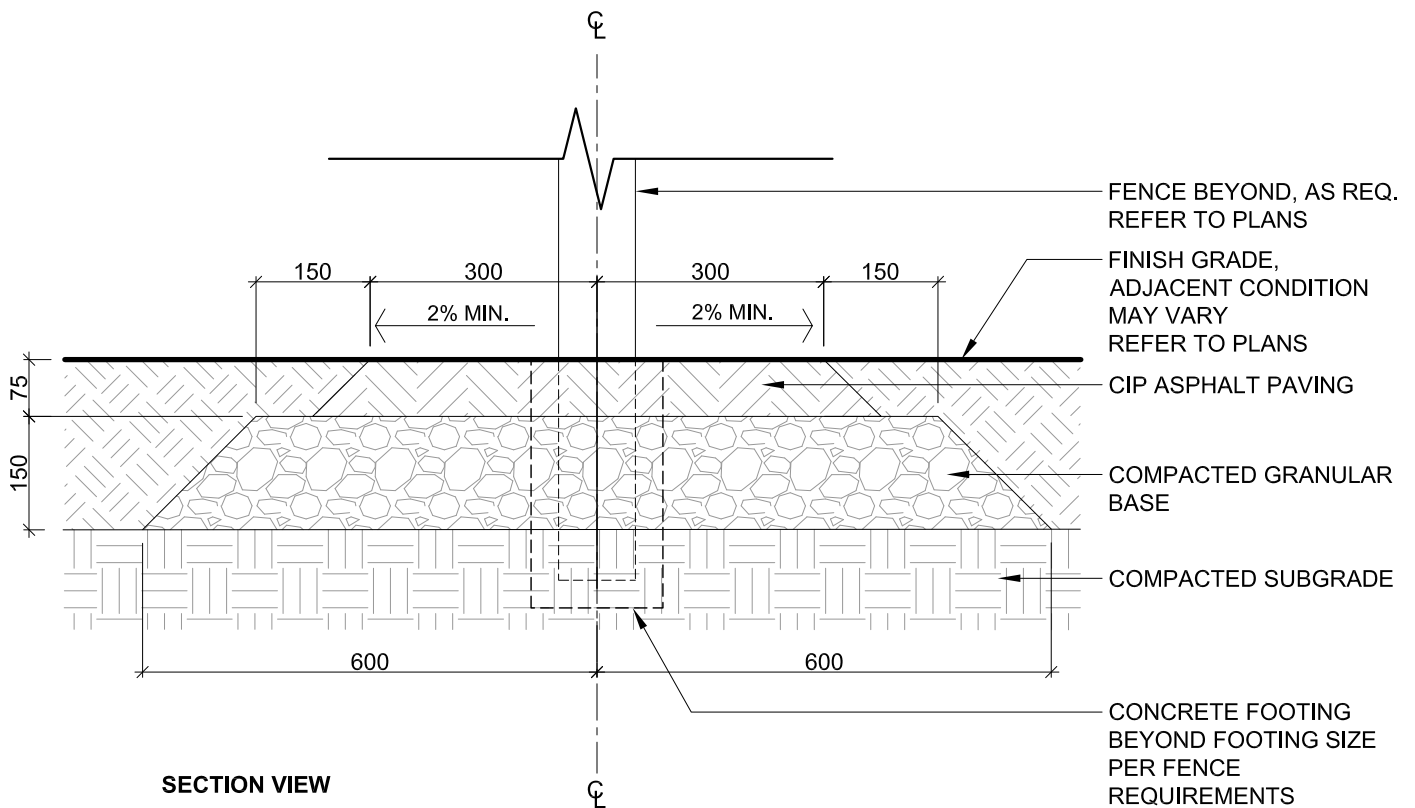
NOTES

SHEET

1-03-2



PLAN VIEW



SECTION VIEW



DRAWING
CIP ASPHALT MOW BAND

DATE
JUNE-2022

REV

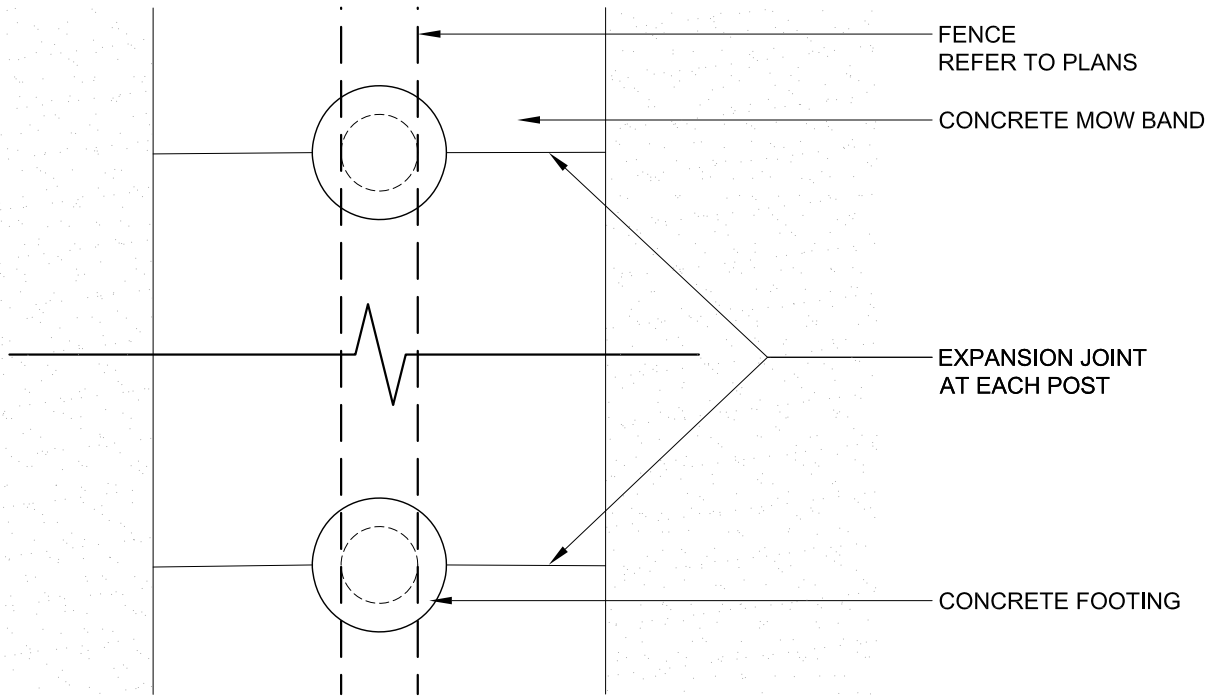
SCALE
1:10

NOTES

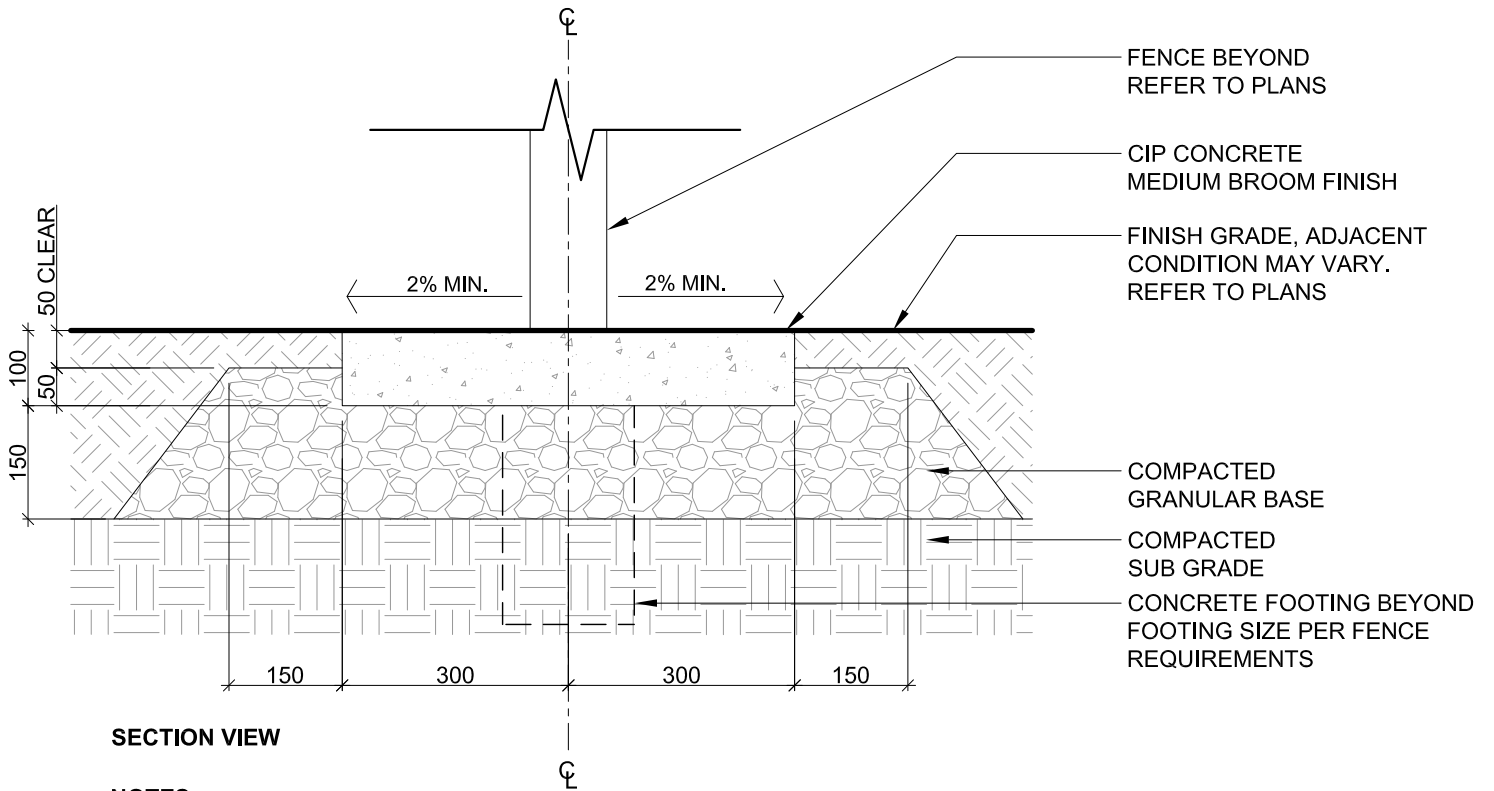
SHEET

1-04

PLAN VIEW



SECTION VIEW



NOTES:

1. CONTROL JOINTS AS PER DETAIL #2 TO BE PROVIDED 1.5m O.C. MAX. CENTERED ON / BETWEEN POSTS.
2. EXPANSION JOINTS C/W WITH FIBREBOARD TO BE PROVIDED 6m O.C. MAX.



DRAWING

CIP CONCRETE MOP BAND

DATE

JUNE-2022

REV

SCALE

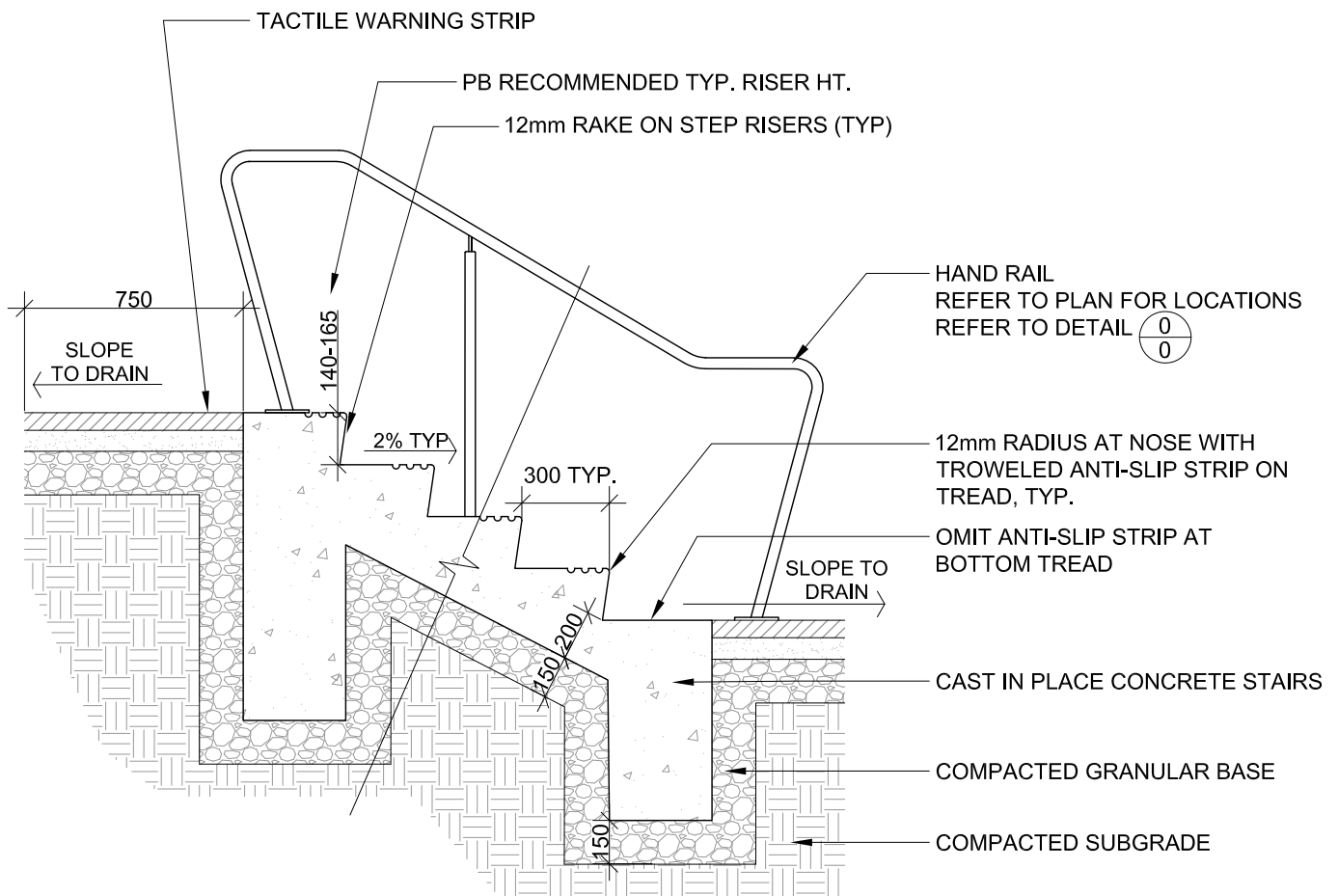
1:10

NOTES

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SHEET

1-05



NOTE:

1. ALL STAIRS TO BE TROWEL FINISH, AND TOOL ALL STAIR NOSING TO 12mm R. UNLESS OTHERWISE STATED
2. PROVIDE 2% SLOPE ON ALL STAIR TREADS AS SHOWN.
3. REFER TO PLAN FOR NUMBER OF STEPS.
4. REINFORCING AND FOOTING DETAILS TO BE PROVIDED IN SEALED DRAWINGS BY PROJECT ENGINEER OR THROUGH THE SUBMITTAL OF SHOP DRAWINGS



DRAWING
CIP CONCRETE STAIRS

DATE
JUNE-2022

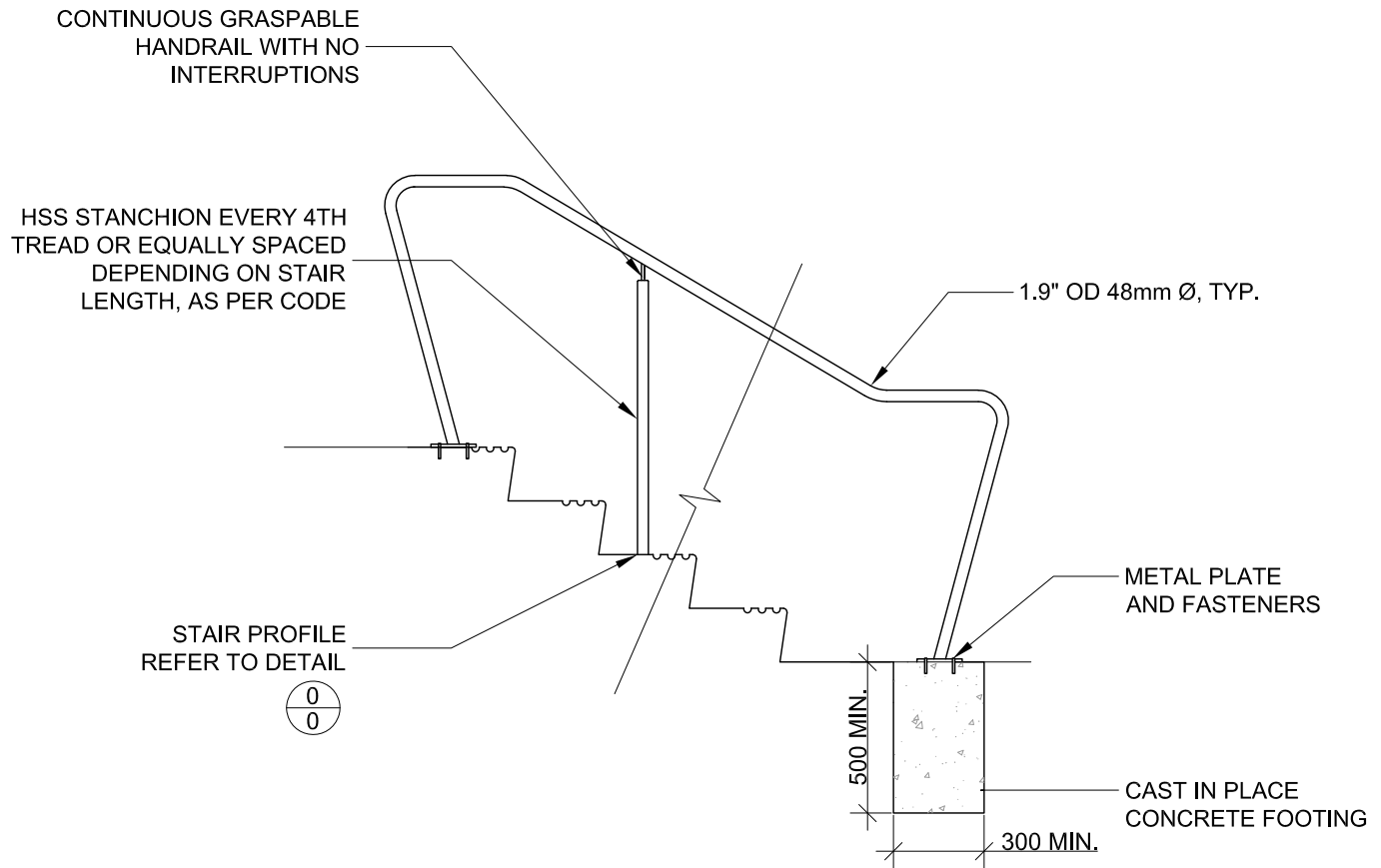
REV

SCALE
1:25

NOTES

SHEET

1-06



NOTE:

1. ENGINEERED SHOP DRAWINGS REQUIRED FOR HANDRAIL AND ALL CONNECTIONS AND TO BE APPROVED BY "OWNERS REPRESENTATIVE" PRIOR TO FABRICATION.
2. ALL WELDS TO BE GROUND SMOOTH.
3. NO SITE PATCHING OR TOUCH-UP OF FINISHES WILL BE PERMITTED.



DRAWING
HANDRAIL AT CIP
CONCRETE STAIRS

DATE
JUNE-2022

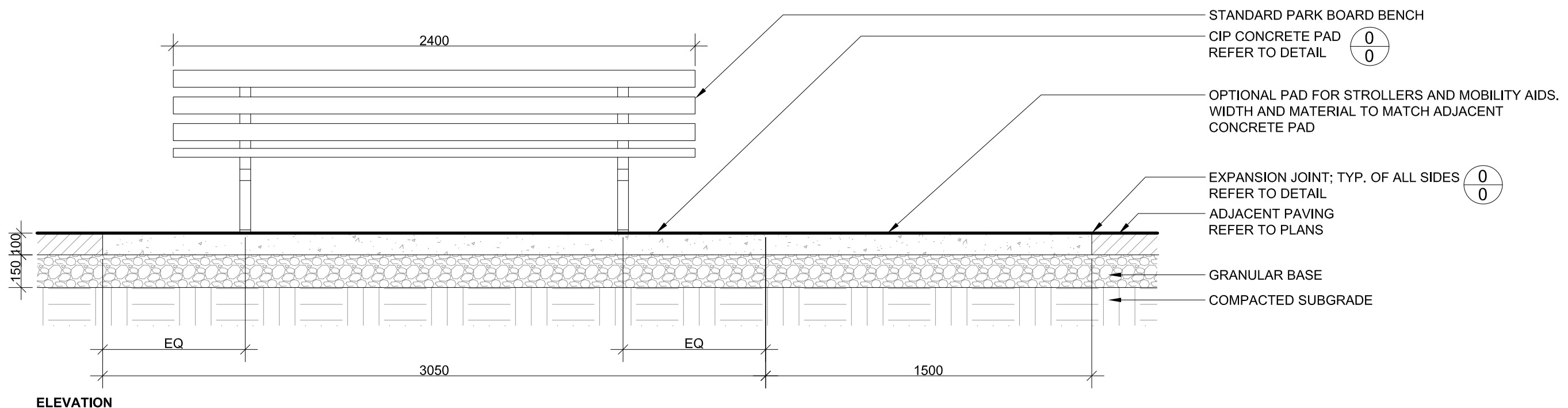
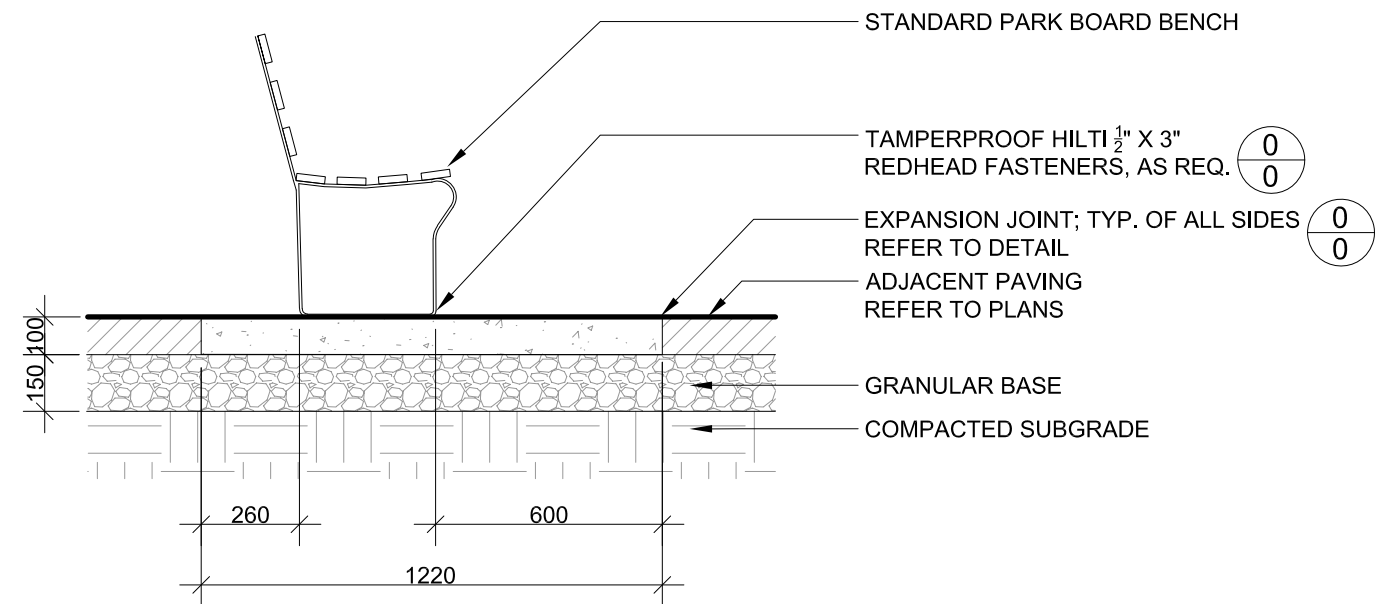
REV

SCALE
1:25

NOTES

SHEET

1-07



ELEVATION

NOTE:

1. BENCH TO BE SUPPLIED BY OWNER

DATE
JUNE-2022

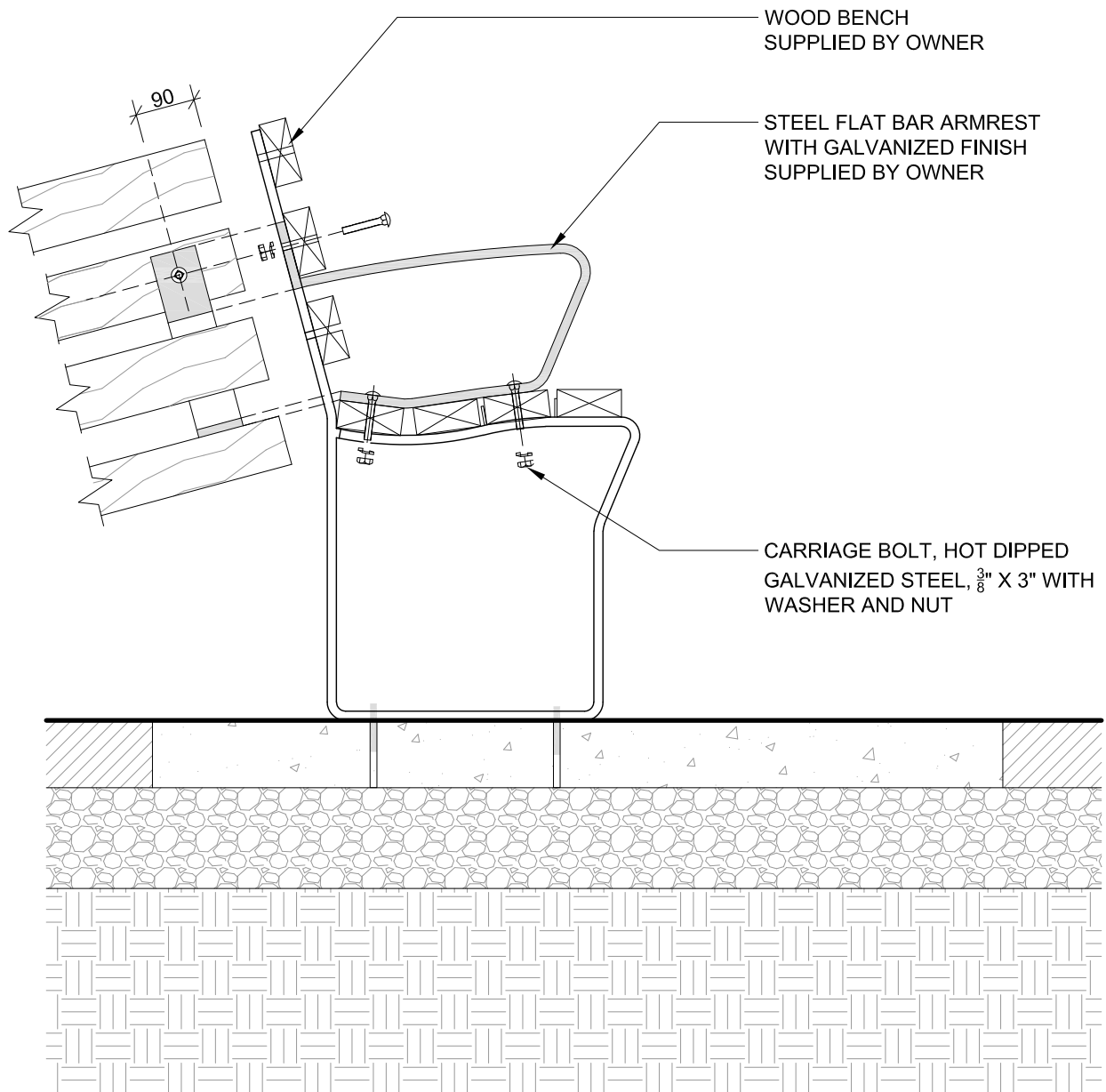
REV

SCALE
1:20

DRAWING
STANDARD BENCH
INSTALLATION

SHEET

2-01



NOTE:

1. ARMREST AND BENCH TO BE PROVIDED BY OWNER.
2. ALL FASTENERS TO BE TAMPERPROOF.



DRAWING
STANDARD BENCH
ARMREST INSTALL

DATE
JUNE-2022

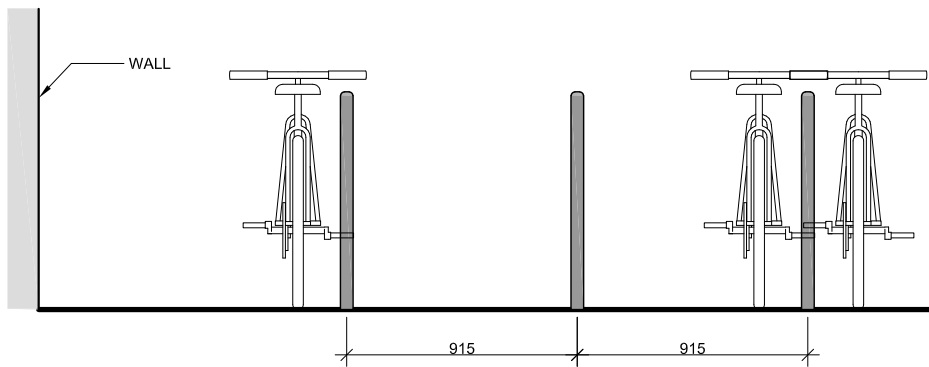
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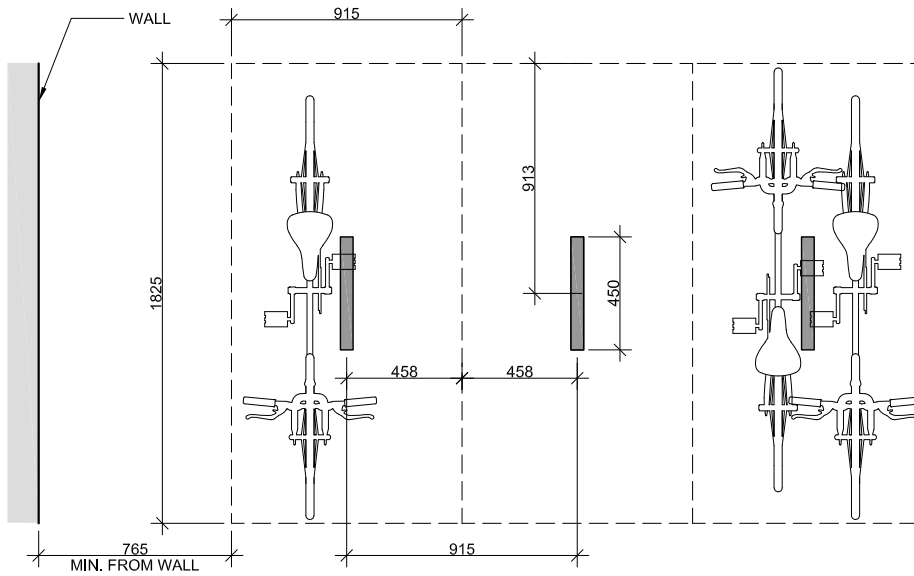
SHEET

2-02



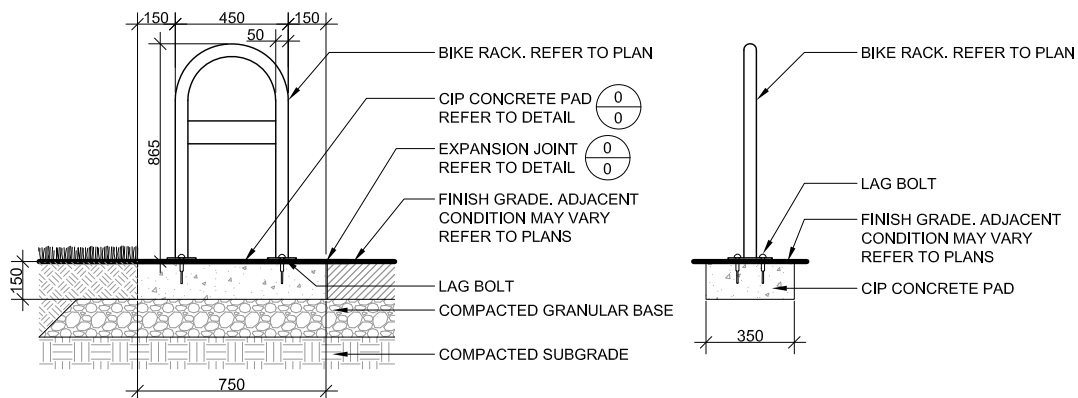
915mm PREFERRED BETWEEN BIKE RACKS O.C.
(760mm MIN. BY BICYCLE PARKING REQUIREMENT)

ELEVATION



915mm PREFERRED BETWEEN BIKE RACKS O.C.
(760mm MIN. BY BICYCLE PARKING REQUIREMENT)

PLAN



SECTION ELEVATION

SECTION ELEVATION

NOTE:

1. PRODUCT TO BE SUPPLIED BY CONTRACTOR.
2. REFER TO PRODUCT INFORMATION SHEET AND PLAN



DRAWING
STANDARD BIKE RACK
INSTALLATION

DATE
JUNE-2022

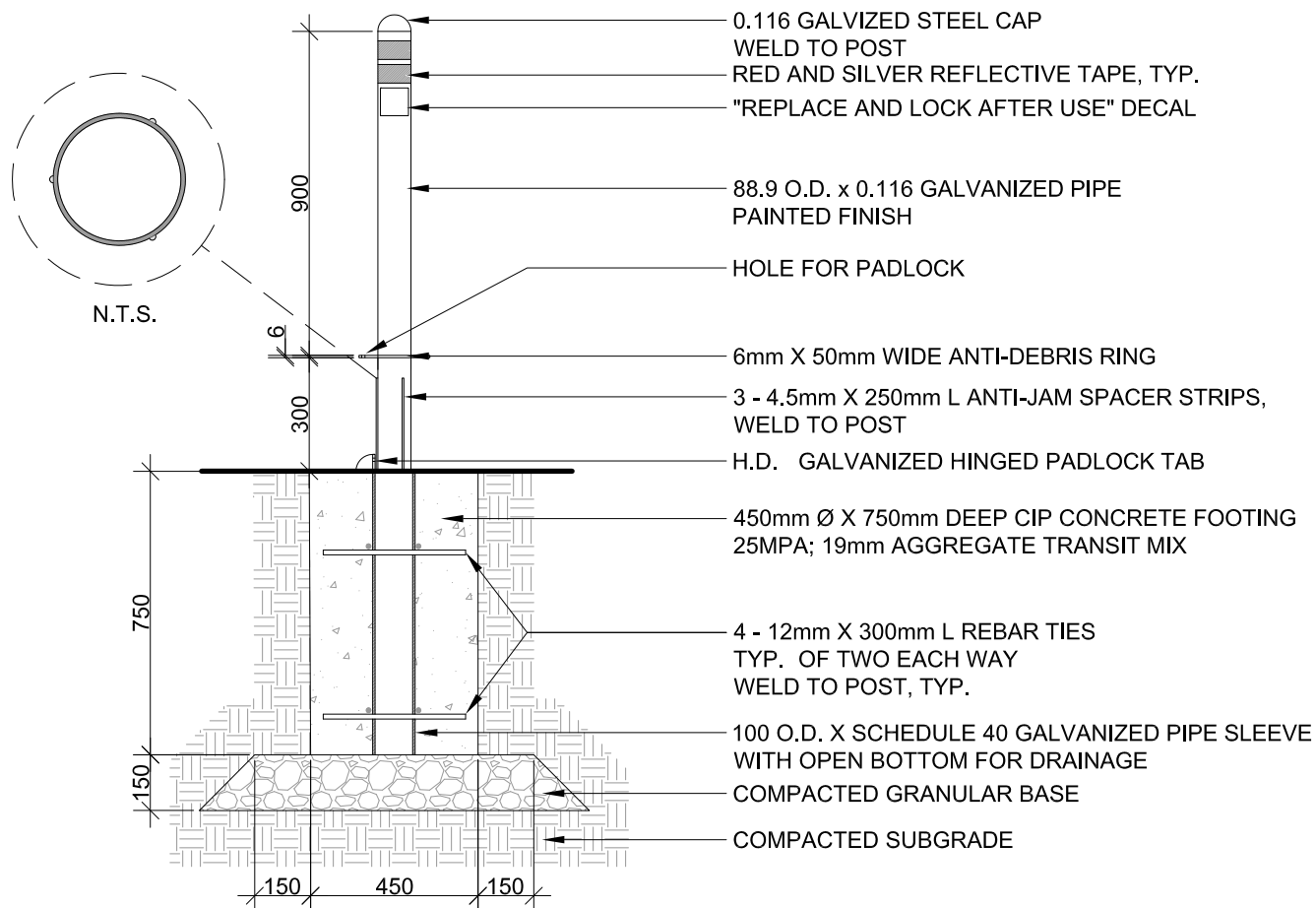
REV

SCALE
1:10

NOTES

SHEET

2-03



NOTE:

1. MAXIMUM WEIGHT OF POST TO BE 25 LBS OR LESS, ANY DEVIATION FROM THIS MUST BE APPROVED BY OPERATIONS PRIOR TO FABRICATION
2. ALL METAL MUST HAVE HOT DIPPED GALVANIZED FINISH AFTER FABRICATION
3. GRIND ALL WELDS SMOOTH PRIOR TO GALVANIZING
4. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS



DRAWING
REMOVABLE BOLLARD

DATE
JUNE-2022

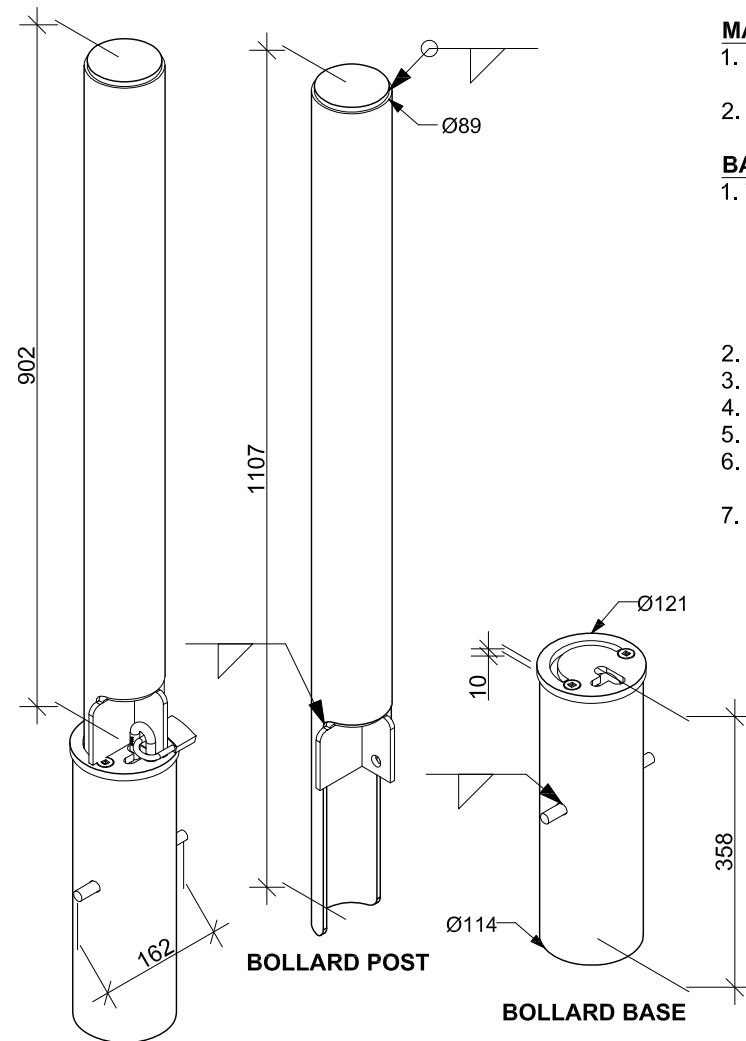
REV

SCALE
1:20

NOTES

SHEET

2-04



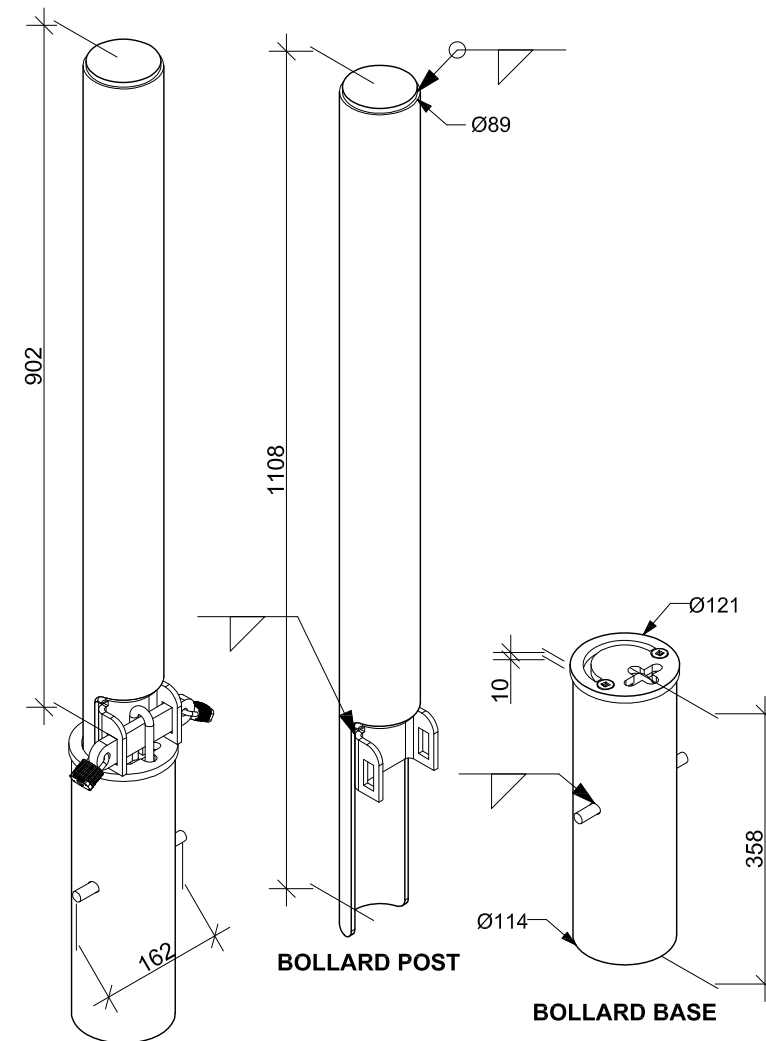
SINGLE LOCK "SMILEY FACE" BOLLARD

MANUFACTURING NOTES:

1. BOLLARDS MAY BE LEFT BARE, POWDERCOATED, OR HDG (HOT DIPPED GALVANIZED)
2. OTHER OPTIONS AND CUSTOMIZATIONS ARE AVAILABLE

BASIC INSTALLATION NOTES:

1. TEMPORARY SLEEVE MAY BE REQUIRED TO ENSURE THAT COVER PLATE DOES NOT ADHERE TO CONCRETE/ASPHALT SO THAT IT MAY BE REMOVED IN FUTURE IF HOLE NEEDS CLEANING OUT (ESPECIALLY IMPORTANT FOR ROAD INSTALLS)
2. CONCRETE DIAMETER AS PER PROJECT ENGINEER
3. CONCRETE DEPTH TO BE APPROX THAT OF RECEIVER
4. KEEP CONCRETE OUT OF RECEIVER DURING INSTALL
5. RECEIVER MUST BE INSTALLED IN DRAINAGE ROCK
6. DRAINAGE ROCK DIAMETER AS PER PROJECT ENGINEER (USU. AT LEAST 600mm)
7. DRAINAGE ROCK DEPTH AS PER PROJECT ENGINEER (VARIES AS PER SOIL CONDITIONS USU. 100mm - 600mm)



DOUBLE LOCK "SMILEY FACE" BOLLARD

DATE
JUNE-2022

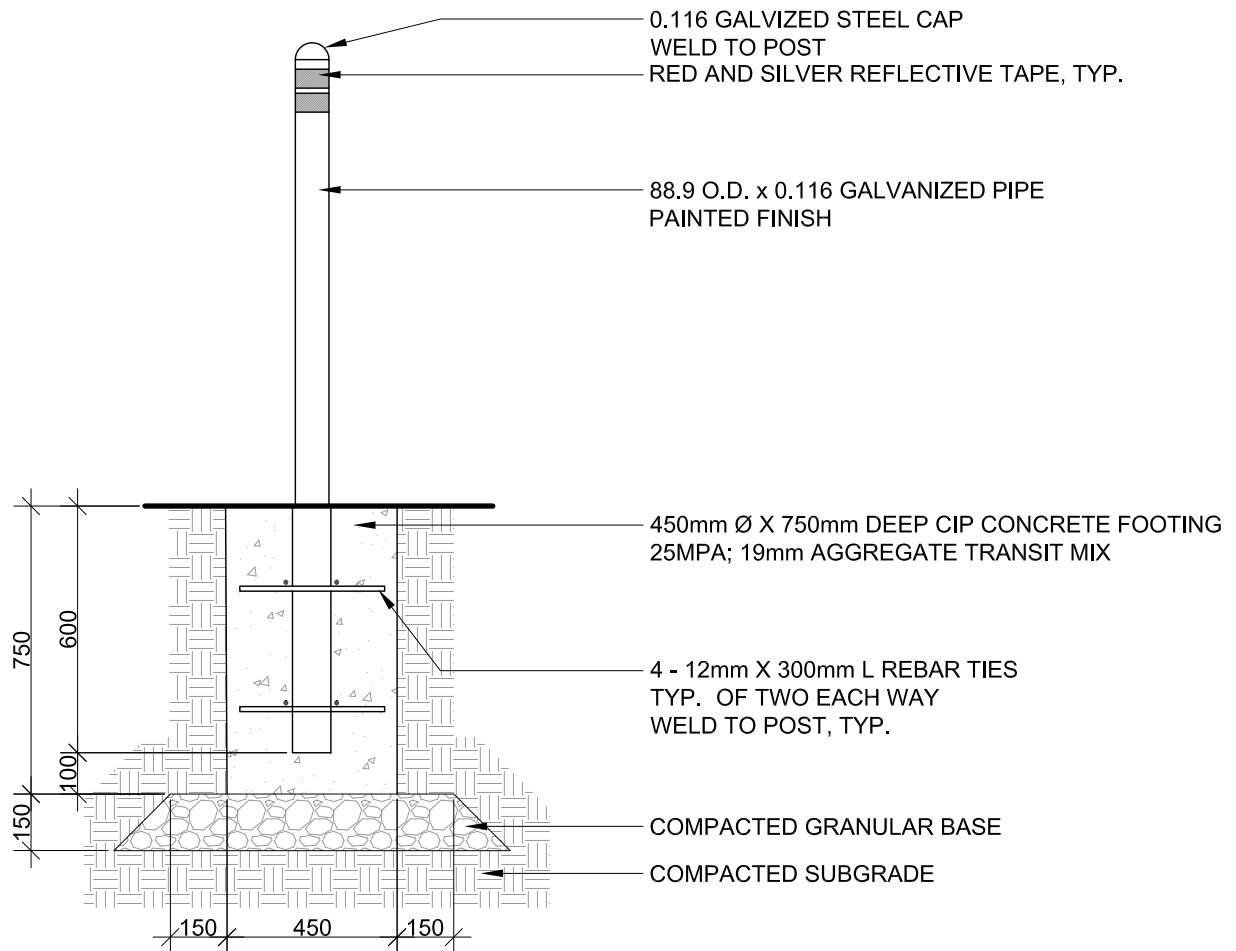
REV

SCALE
NTS

DRAWING
REMOVABLE FLUSH
MOUNT BOLLARD

SHEET

2-05



NOTE:

1. ALL METAL MUST HAVE HOT DIPPED GALVANIZED FINISH AFTER FABRICATION
2. GRIND ALL WELDS SMOOTH PRIOR TO H.D. GALVANIZING
3. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS



DRAWING
PERMANENT BOLLARD
(NON-REMOVABLE)

DATE
JUNE-2022

REV

SCALE
1:20

NOTES

SHEET

2-06

NOTE:

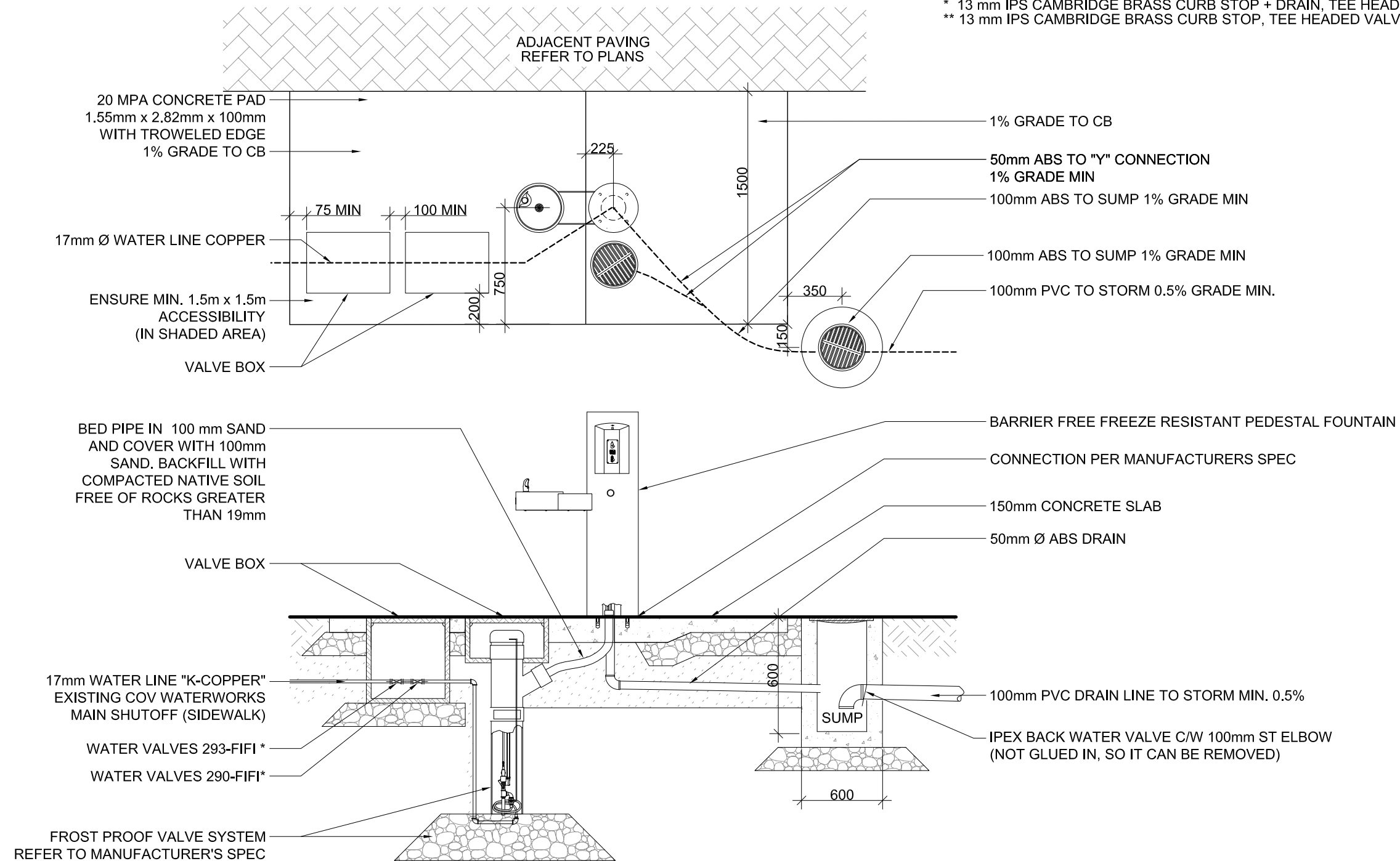
1. VALVE BOXES SHALL BE A CONCRETE BOX WITH A GALVANIZED STEEL CHECKER PLATE LID WITH CAPTIVE LOCK BOLTCOVER; BOX TO BE SIZED TO SUIT VALVES AND OTHER COMPONENTS WITH ADEQUATE ROOM FOR OPERATING AND MAINTENANCE ACCESS

SUGGESTED: AE CONCRETE T266-6I-BOLT MARKED "WATER" & T266-06-0324 CONCRETE BOX COMES WITH HOLE

2. ALL WATER LINE "K-COPPER" TO BE PLACED A MINIMUM OF 450mm BELOW GRADE

* 13 mm IPS CAMBRIDGE BRASS CURB STOP + DRAIN, TEE HEADED VALVE (3) 293-FIFI

** 13 mm IPS CAMBRIDGE BRASS CURB STOP, TEE HEADED VALVE (3) 290-FIFI



DATE
JUNE-2022

SCALE
1:30

DRAWING
STANDARD FROST FREE
DRINKING FOUNTAIN

SHEET

2-07

NOTE:

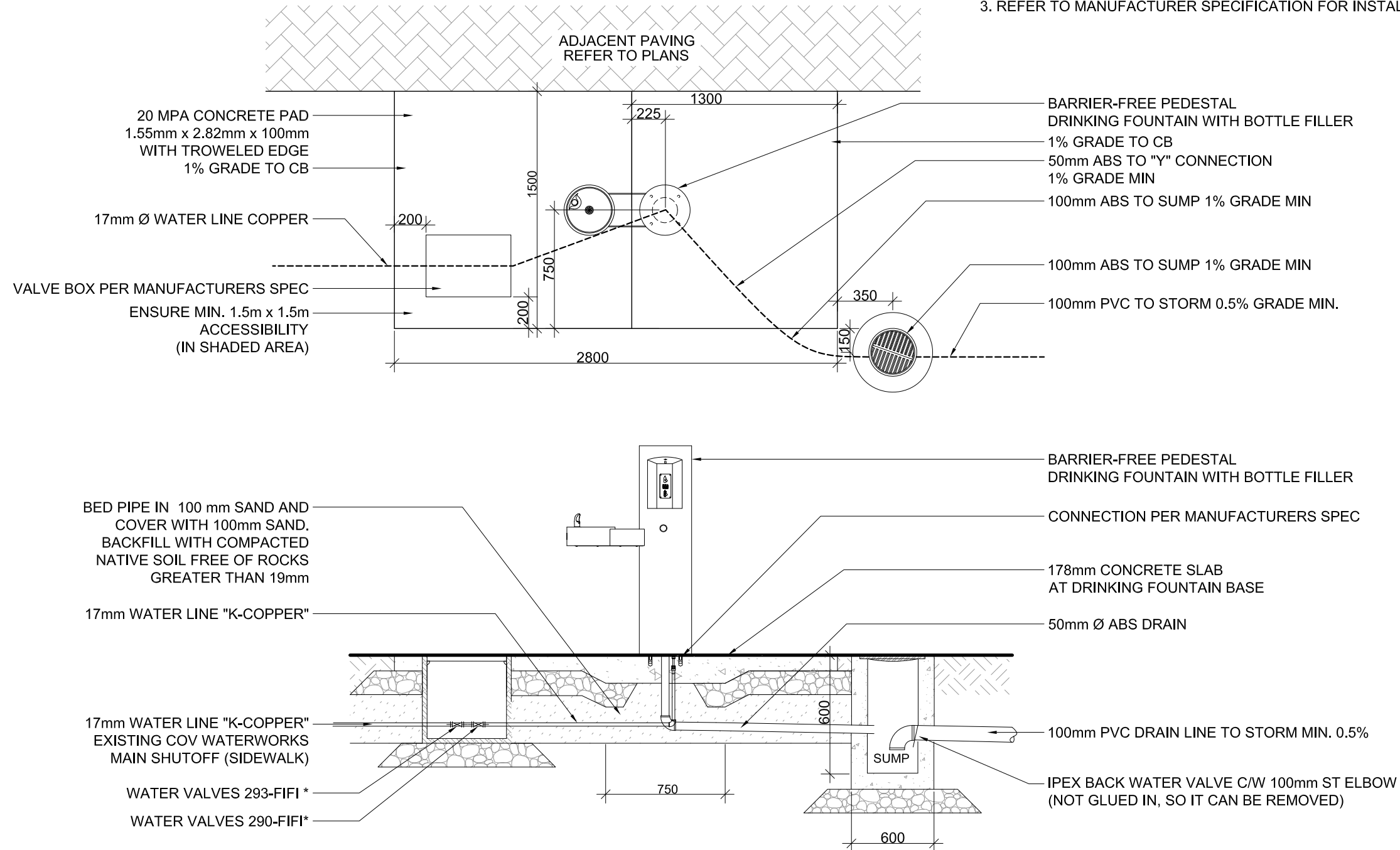
1. VALVE BOXES SHALL BE A CONCRETE BOX WITH A GALVANIZED STEEL CHECKER PLATE LID WITH CAPTIVE LOCK BOLTCOVER; BOX TO BE SIZED TO SUIT VALVES AND OTHER COMPONENTS WITH ADEQUATE ROOM FOR OPERATING AND MAINTENANCE ACCESS

SUGGESTED: AE CONCRETE T266-6I-BOLT MARKED "WATER" & T266-06-0324 CONCRETE BOX COMES WITH HOLE

2. ALL WATER LINE "K-COPPER" TO BE PLACED A MINIMUM OF 450mm BELOW GRADE

* 13 mm IPS CAMBRIDGE BRASS CURB STOP + DRAIN, TEE HEADED VALVE (3) 293-FIFI
** 13 mm IPS CAMBRIDGE BRASS CURB STOP, TEE HEADED VALVE (3) 290-FIFI

3. REFER TO MANUFACTURER SPECIFICATION FOR INSTALLATION RECOMMENDATIONS



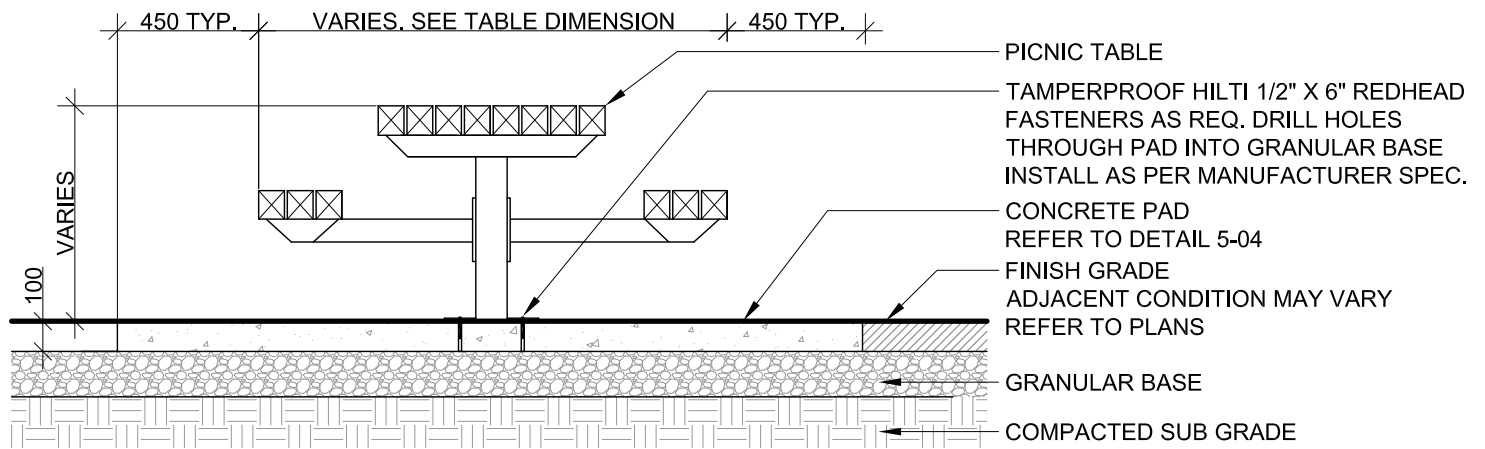
DATE
JUNE-2022

SCALE
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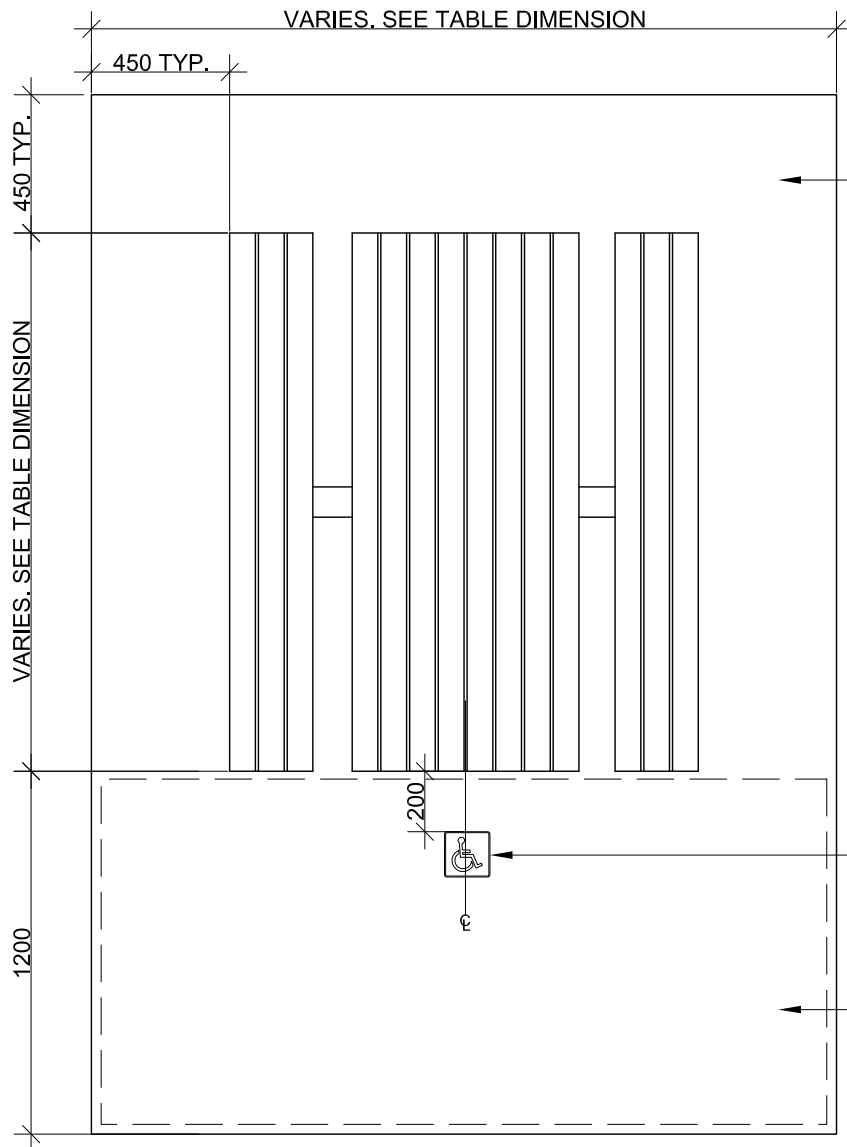
DRAWING
STANDARD DRINKING FOUNTAIN
WITH BOTTLE FILLER

SHEET

2-08



SECTION



PLAN

NOTE:

1. SURFACE MOUNT WITH TAMPER PROOF
HILTI KWIK BOLT 1/2" x 6" MIN; GALVANIZED
2. REFER TO PLANS FOR COLOUR



DRAWING
STANDARD PICNIC TABLE

DATE
JUNE-2022

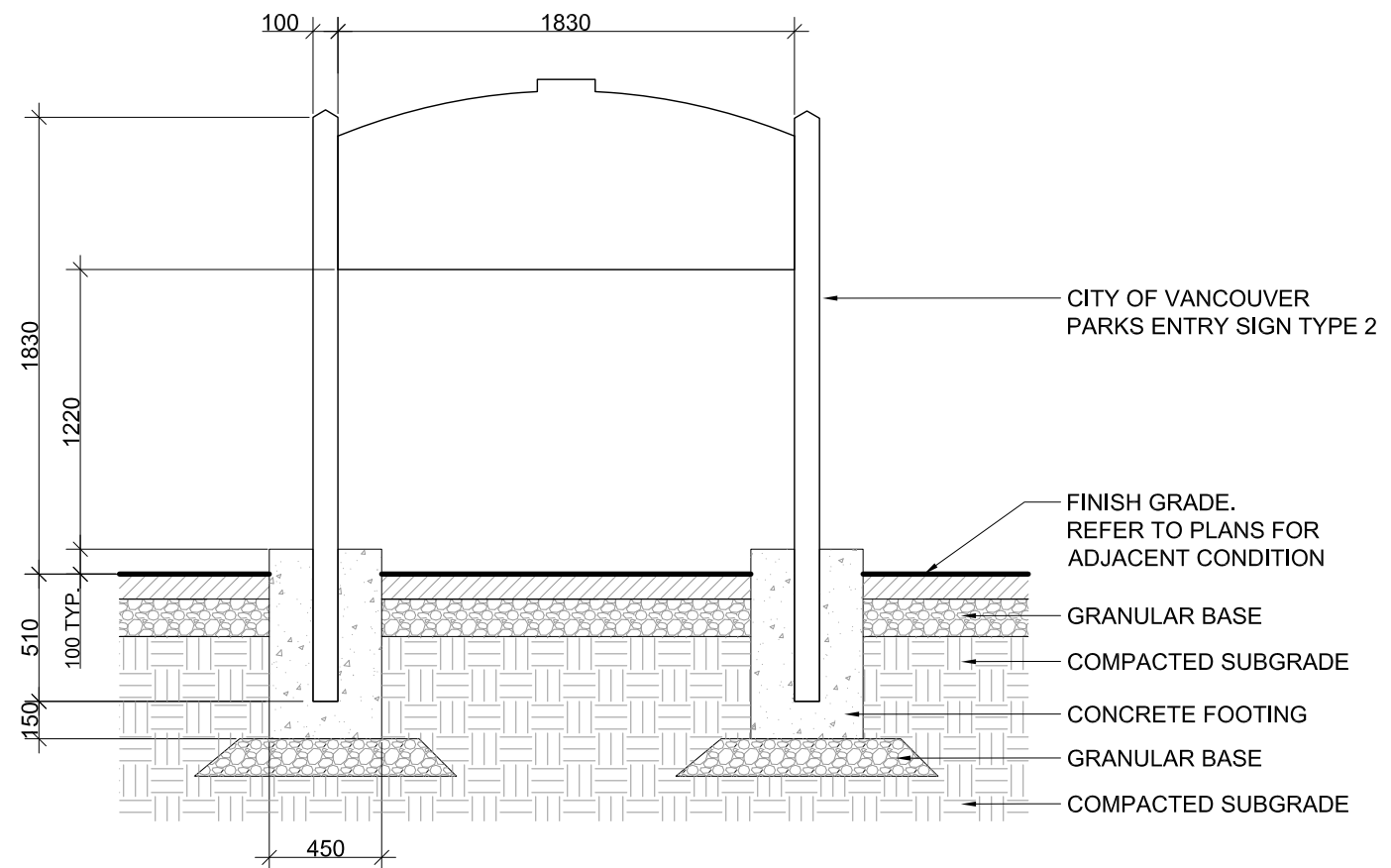
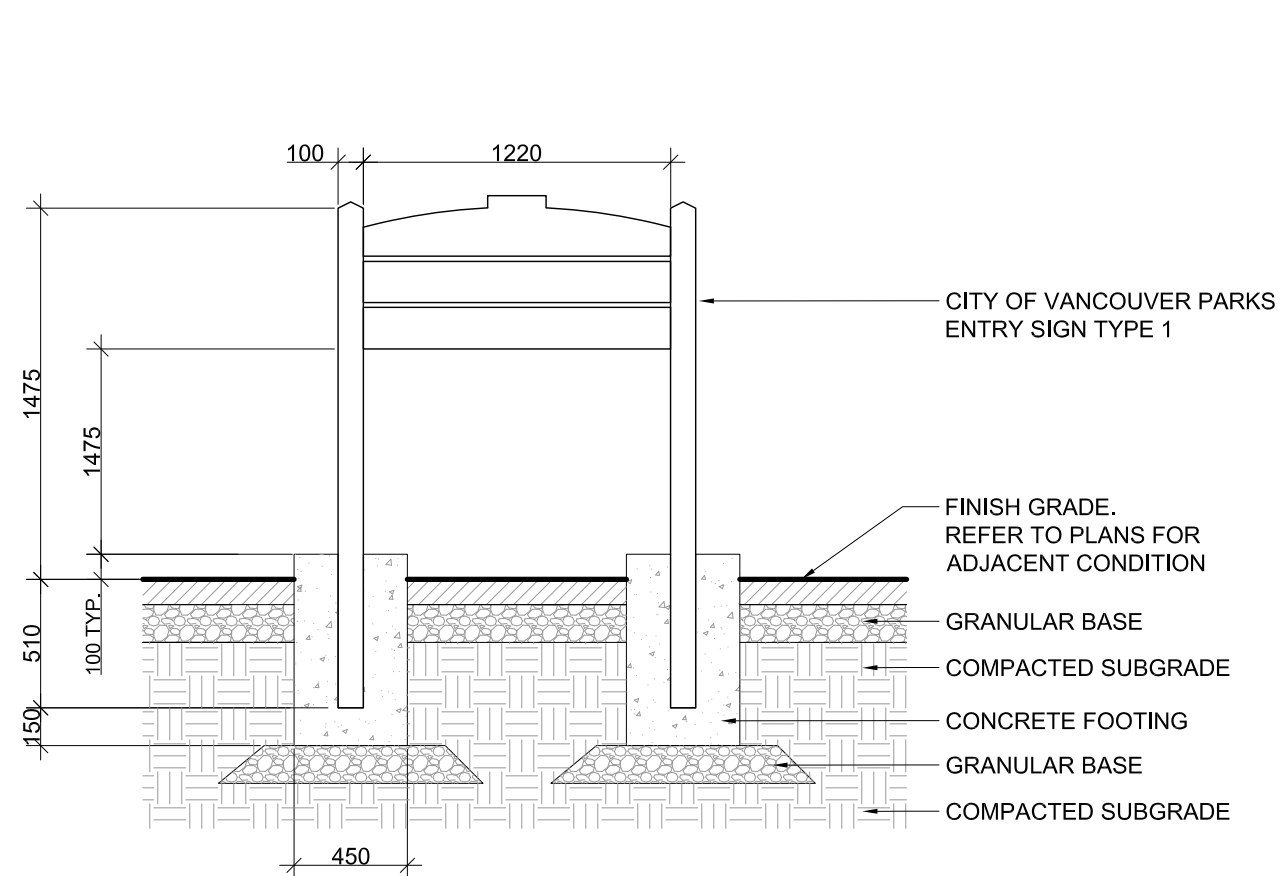
REV

SCALE
1:25

NOTES

SHEET

2-09



NOTE:

1. CONCRETE REINFORCEMENT INFORMATION AND FOOTING DESIGN TO BE PROVIDED BY STRUCTURAL ENGINEER BASED ON PROJECT CONDITION AND INPUTS FROM GEOTECHNICAL ENGINEER

DATE
JUNE-2022

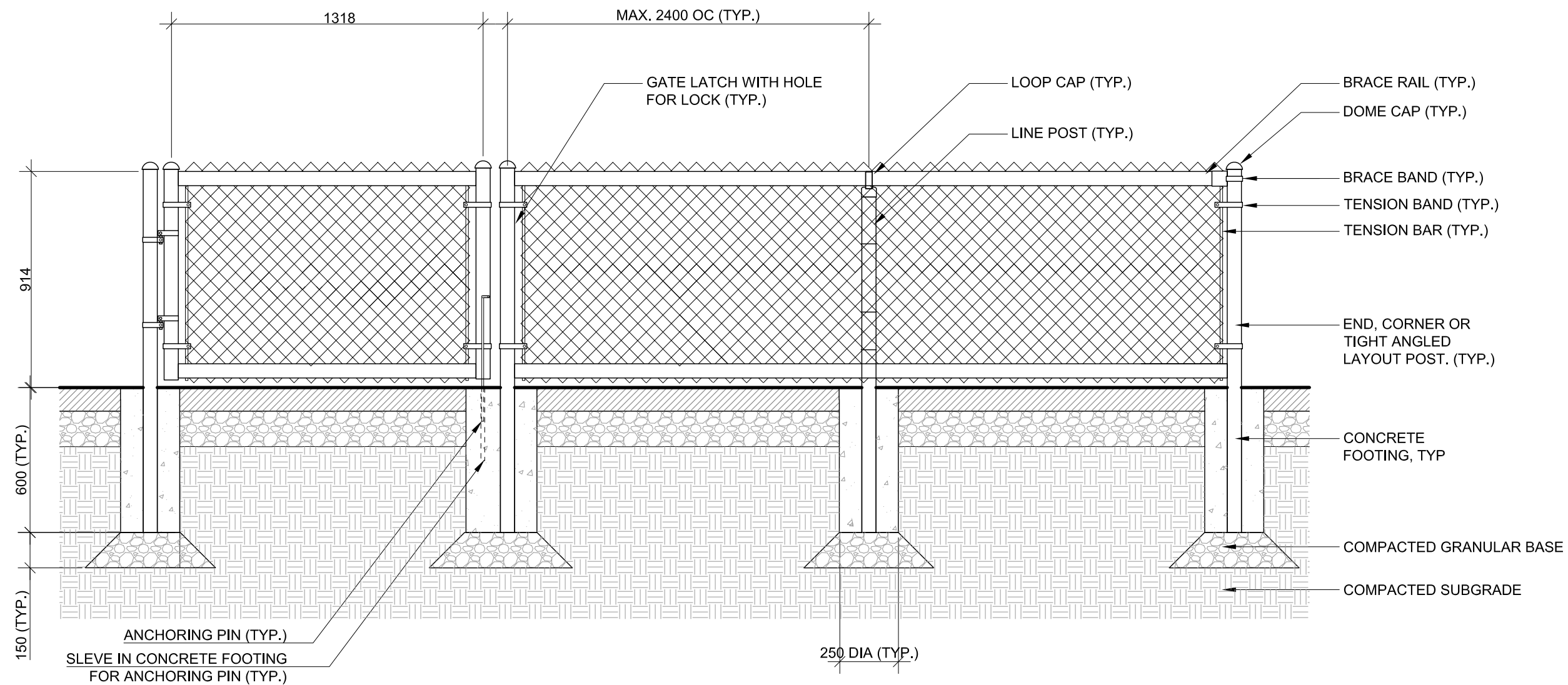
REV

SCALE
1:30

DRAWING
COV PARKS ENTRY
SIGNAGE

SHEET

2-10



NOTE:

1. ALL METAL COMPONENTS TO BE GALVANIZED PER SPECIFICATIONS
2. ALL POST AND RAIL JUNCTIONS TO BE COPED AND WELDED PER SPECIFICATIONS (GRIND ALL WELDS AND PAINT WITH GALVICON)
3. CONCRETE REINFORCEMENT INFORMATION AND FOOTING DESIGN TO BE PROVIDED BY STRUCTURAL ENGINEER BASED ON PROJECT CONDITION AND INPUTS FROM GEOTECHNICAL ENGINEER

DATE
JUNE-2022

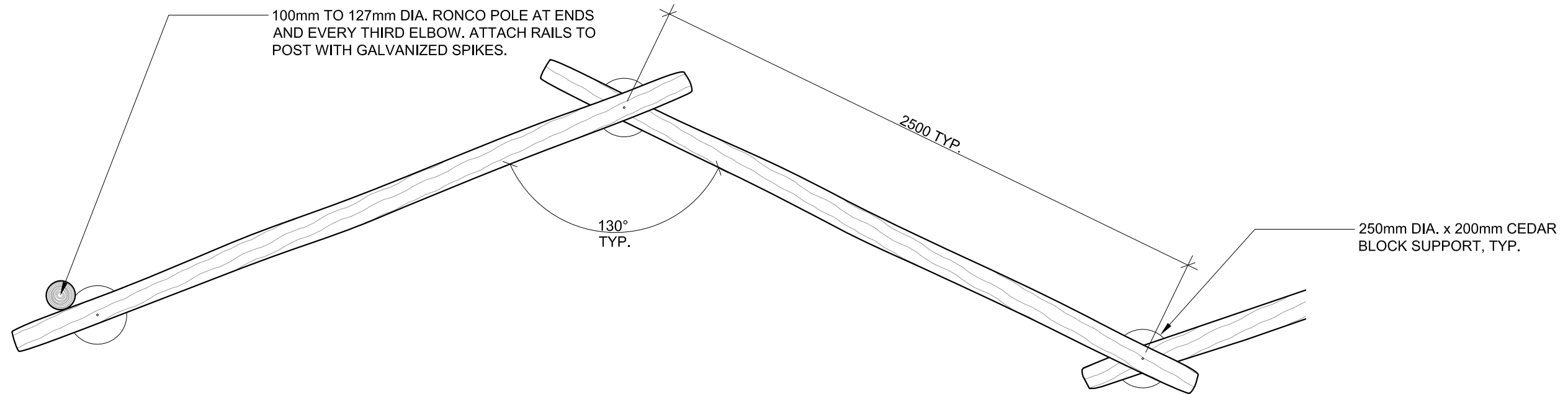
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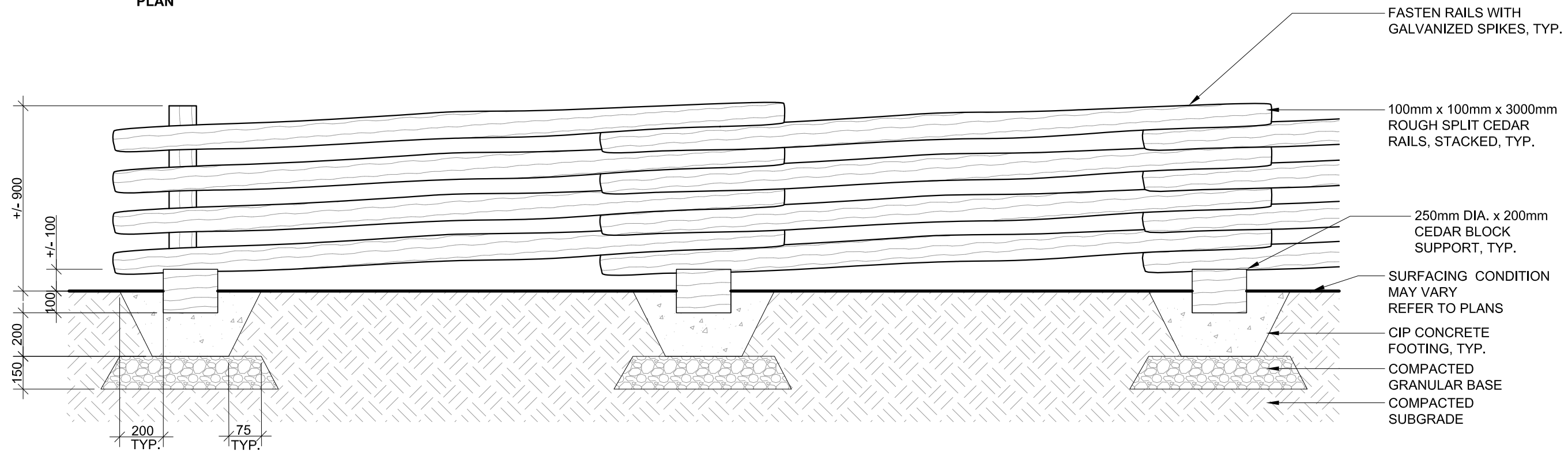
DRAWING
3" CHAIN LINK FENCE AND GATE AT DOG PARK

SHEET

2-11



PLAN



SECTION

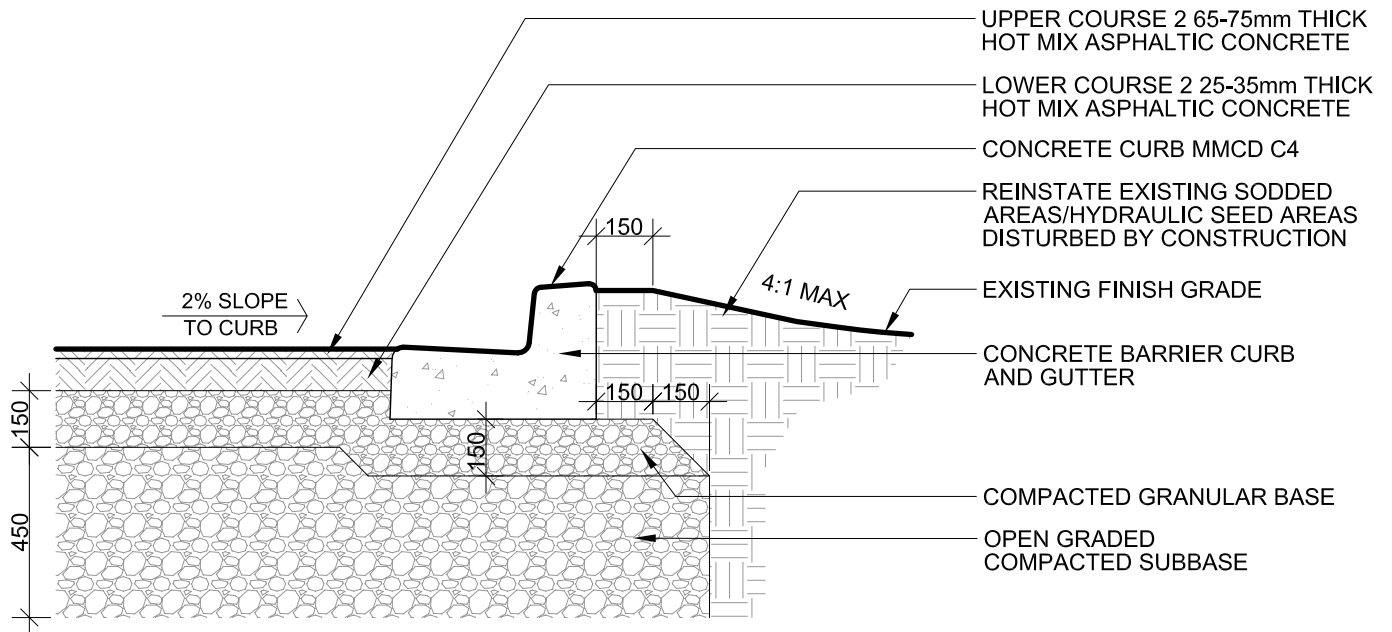
DATE
JUNE-2022

REV

SCALE
1:10

DRAWING
SPLIT RAIL FENCE

SHEET
2-12



NOTES:

1. REMOVE AND DISPOSE OF EXISTING ASPHALT
2. EXCAVATE 710mm BELOW EXISTING GRADE AND RECONSTRUCT AS PER DETAIL BELOW
3. STORMWATER COLLECTED IN CATCH BASINS AND THEN SENT TO STORM SEWER SYSTEM

NOTES TO CONSULTANT:

1. DETAIL IS SUITABLE FOR PEDESTRIAN USE. FOR ROADWAYS WITH VEHICLES, REFER TO CITY OF VANCOUVER STREETSCAPE RESTORATION MANUAL.
2. REVIEW AGGREGATE REQUIREMENTS WITH APPROPRIATE ENGINEER.



DRAWING
ASPHALT ROAD

DATE
JUNE-2022

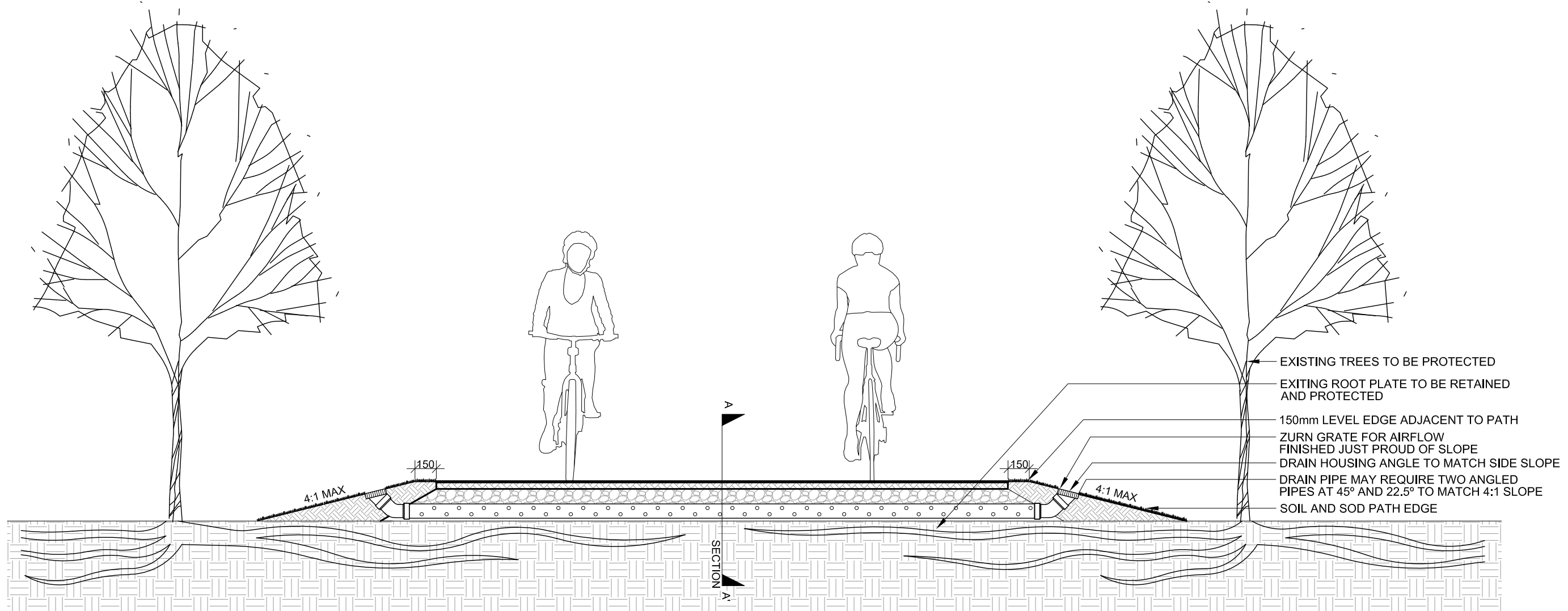
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SCALE
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NOTES

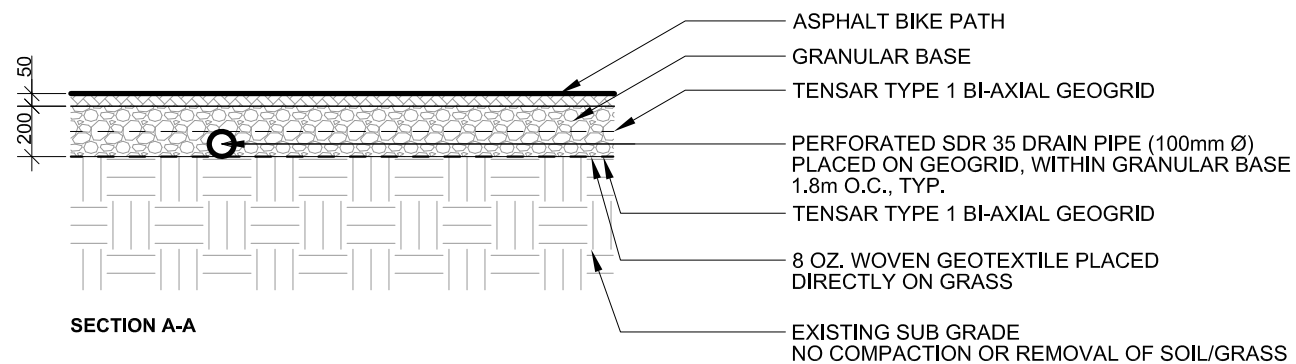
SHEET

3-01



NOTE:

1. CONFIRM THE LAYOUT OF ALL PERFORATED PIPES WITH OWNER'S REPRESENTATIVE BEFORE INSTALLATION OF GRANULAR BASE MATERIAL
2. PLACE MATERIALS DIRECTLY ON EXISTING SOIL SURFACE, DO NOT REMOVE GRASS
3. DO NOT COMPACT SUBGRADE IN TREE PROTECTION ZONE

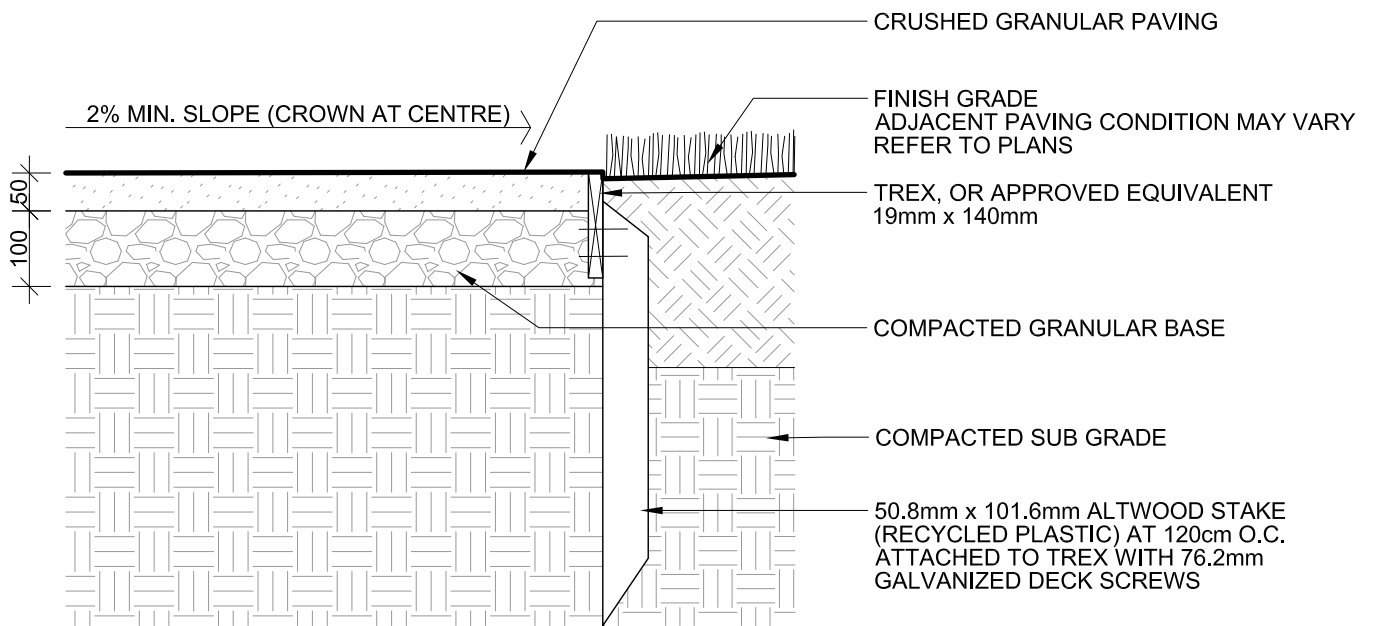


DATE
JUNE-2022

SCALE
1:30

DRAWING
BIKE PATH OVER ROOT
ZONE OF EXISTING TREES

SHEET
3-02



DRAWING
CRUSHED GRANULAR PATH
WITH EDGING

DATE
JUNE-2022

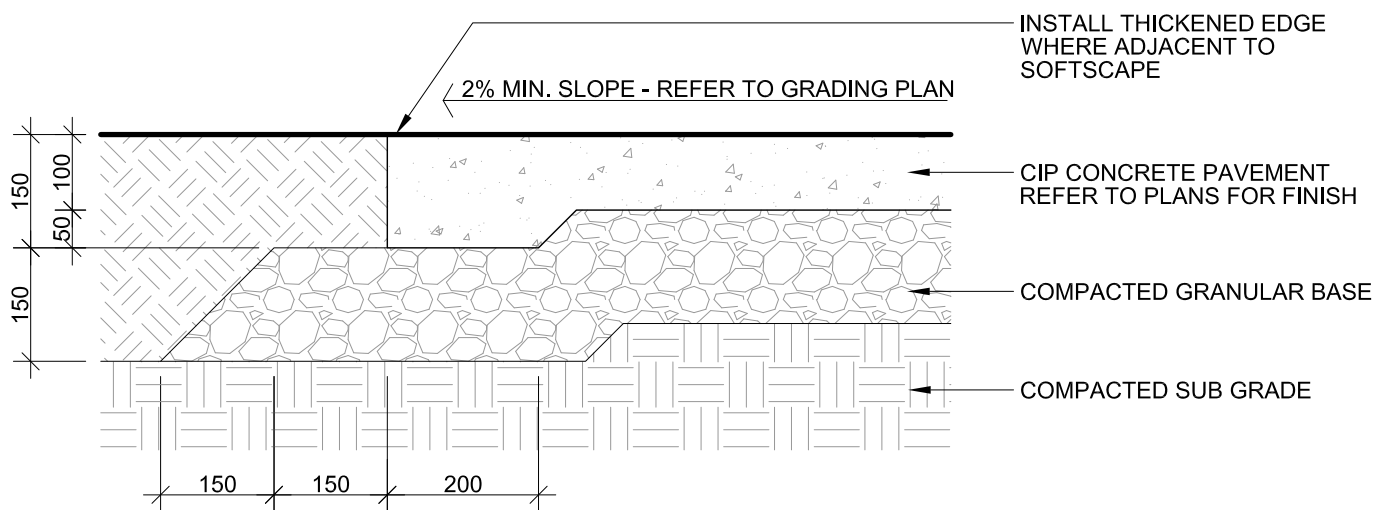
REV

SCALE
1:10

NOTES

SHEET

3-03



NOTE:

1. REFER TO DETAIL 1-01 FOR CONTROL AND EXPANSION JOINT DETAILS
CONTROL JOINTS AS PER DETAIL #2 TO BE PROVIDED 1.5m MIN. O.C.
UNLESS SHOWN OTHERWISE ON PLAN, NO TROWEL MARK
2. EXPANSION JOINTS COME WITH FIBREBOARD TO BE PROVIDED 6m MAX. O.C.
AND AT INTERFACE WITH STRUCTURES SUCH AS WALLS, STEPS, AND CURBS



DRAWING
CIP CONCRETE PAVING
WITHOUT REINFORCING

DATE
JUNE-2022

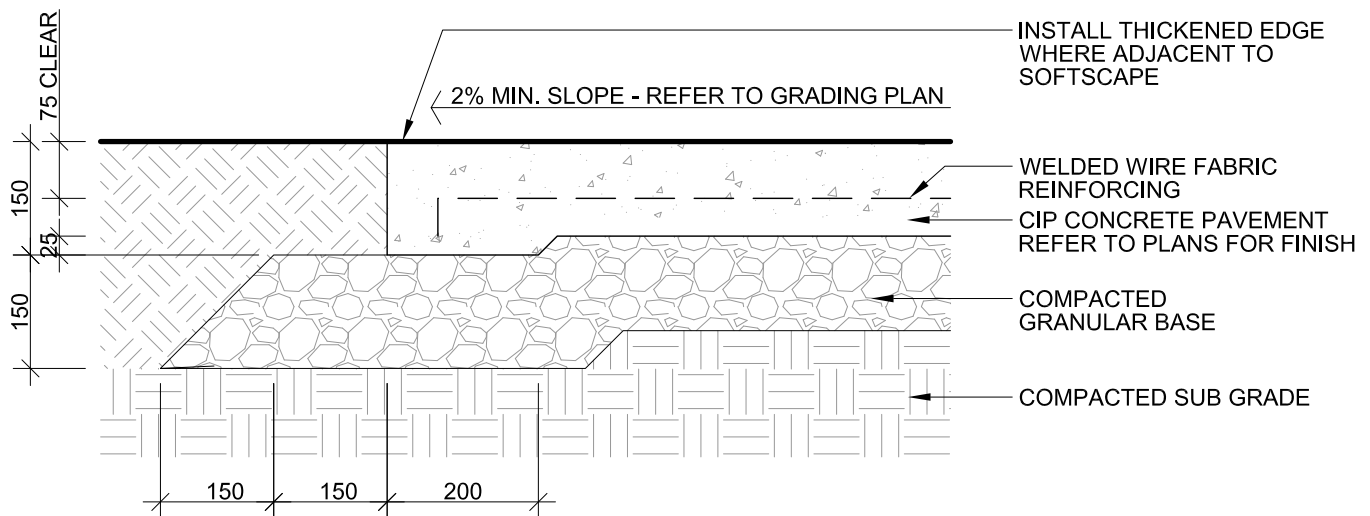
REV

SCALE
1:10

NOTES

SHEET

3-04-1



NOTE:

1. REFER TO DETAIL 1-01 FOR CONTROL AND EXPANSION JOINT DETAILS
CONTROL JOINTS AS PER DETAIL #2 TO BE PROVIDED 1.5m MIN. O.C.
UNLESS SHOWN OTHERWISE ON PLAN, NO TROWEL MARK
2. EXPANSION JOINTS COME WITH FIBREBOARD TO BE PROVIDED 6m MAX. O.C.
AND AT INTERFACE WITH STRUCTURES SUCH AS WALLS, STEPS, AND CURBS



DRAWING
CIP CONCRETE PAVING - WELDED
WIRE FABRIC REINFORCING

DATE
MAY-2021

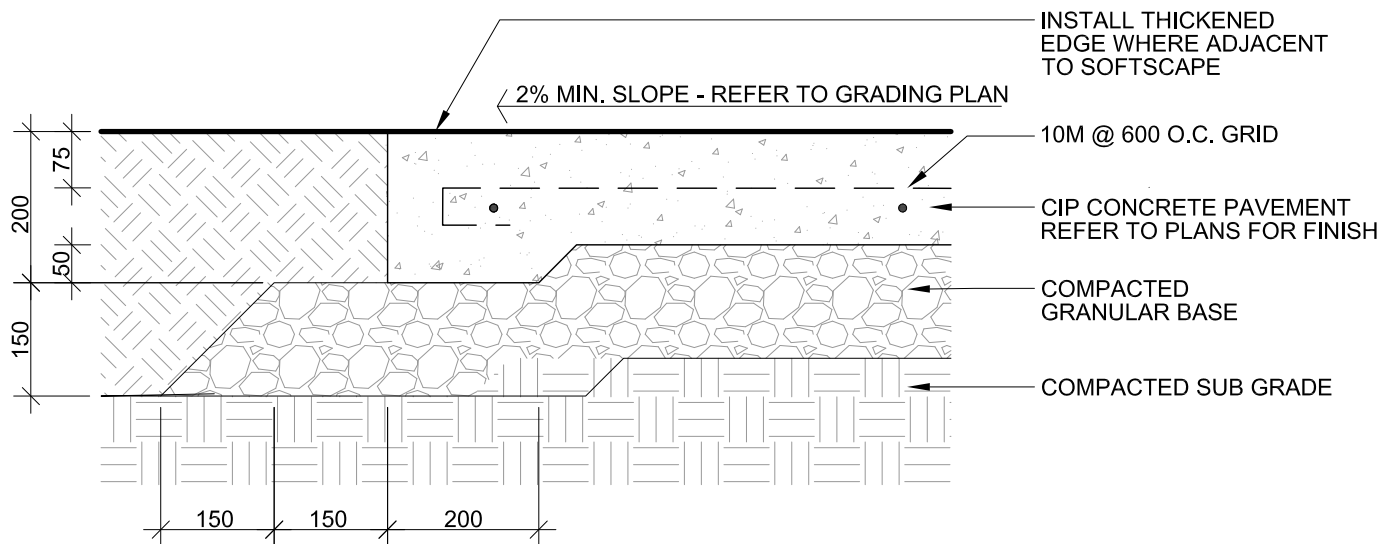
REV

SCALE
1:10

NOTES

SHEET

3-04-2



NOTE:

1. REFER TO DETAIL 1-01 FOR CONTROL AND EXPANSION JOINT DETAILS
CONTROL JOINTS AS PER DETAIL #2 TO BE PROVIDED 1.5m MIN. O.C.
UNLESS SHOWN OTHERWISE ON PLAN, NO TROWEL MARK
2. EXPANSION JOINTS COME WITH FIBREBOARD TO BE PROVIDED 6m MAX. O.C.
AND AT INTERFACE WITH STRUCTURES SUCH AS WALLS, STEPS, AND CURBS



DRAWING
CIP CONCRETE PATH WITH
10M REBAR AT 600 O.C.

DATE
JUNE-2022

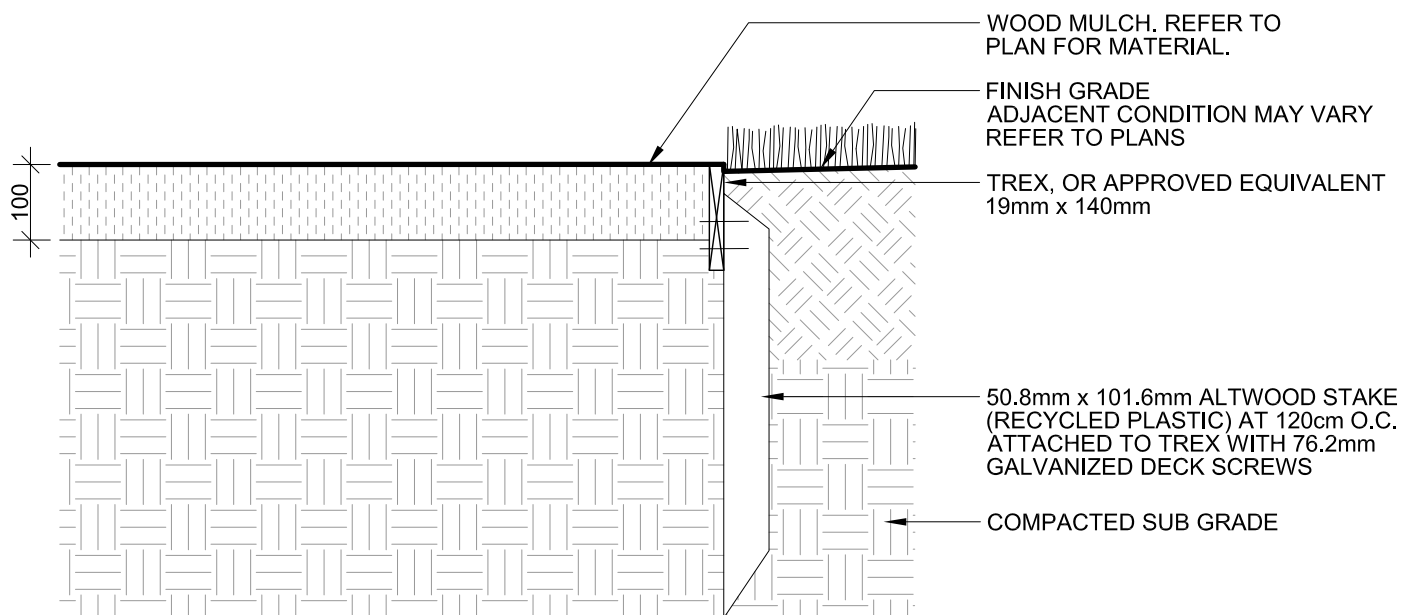
REV

SCALE
1:10

NOTES

SHEET

3-04-3



DRAWING
WOOD MULCH PATH

DATE
JUNE-2022

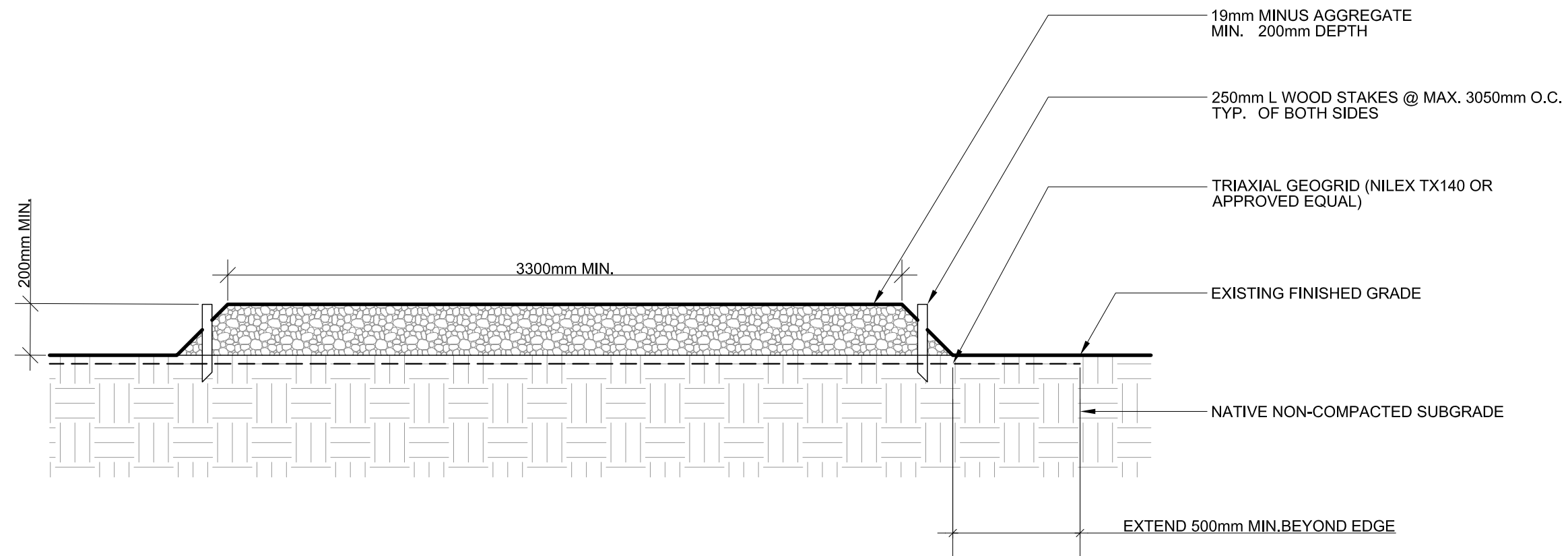
REV

SCALE
1:10

NOTES

SHEET

3-05



NOTES:

1. LAYOUT OF ACCESS ROAD TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
2. INSTALLATION OF GEOTEXTILE AND GEOGRID TO BE REVIEWED BY OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT OF AGGREGATE.
3. COMPLETED ACCESS ROAD TO BE REVIEWED BY OWNER'S REPRESENTATIVE PRIOR TO USE.

DATE
JUNE-2022

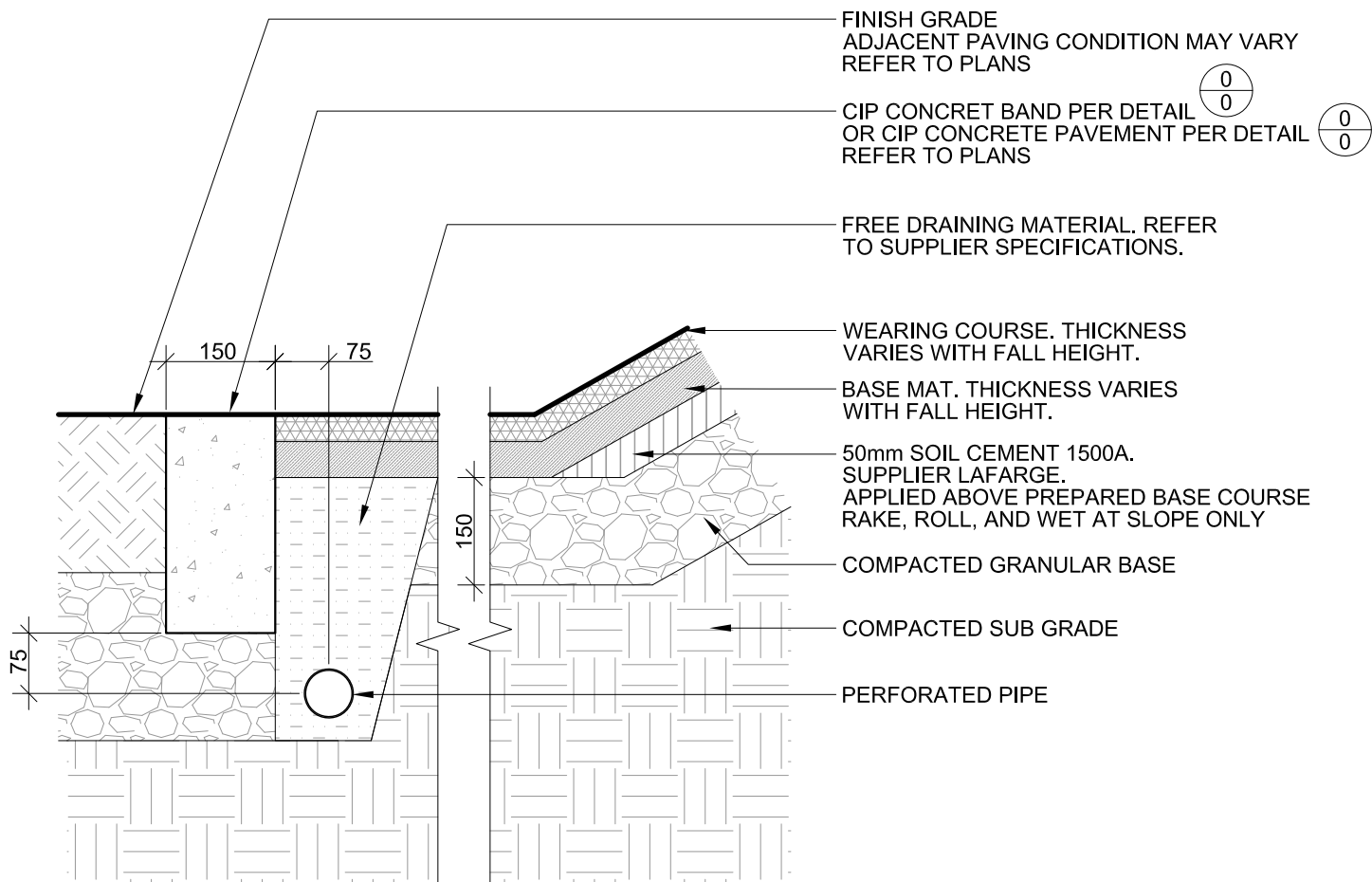
REV

SCALE
1:20

DRAWING
TEMPORARY ROAD
ACCESS

SHEET

3-06



NOTE:

1. CONTRACTOR TO REVIEW AND INCORPORATE SUPPLIER SPECIFICATIONS AND INSTALLATION RECOMMENDATIONS.
2. ALL DEPTHS TO BE AS PER MANUFACTURER'S RECOMMENDATIONS.
3. REFERENCE CURRENT CSA STANDARDS FOR PLAYGROUNDS TO ESTABLISH BASE MAT THICKNESS BASED ON FALL HEIGHT.



DRAWING
POURED-IN-PLACE RUBBER
SURFACING

DATE
JUNE-2022

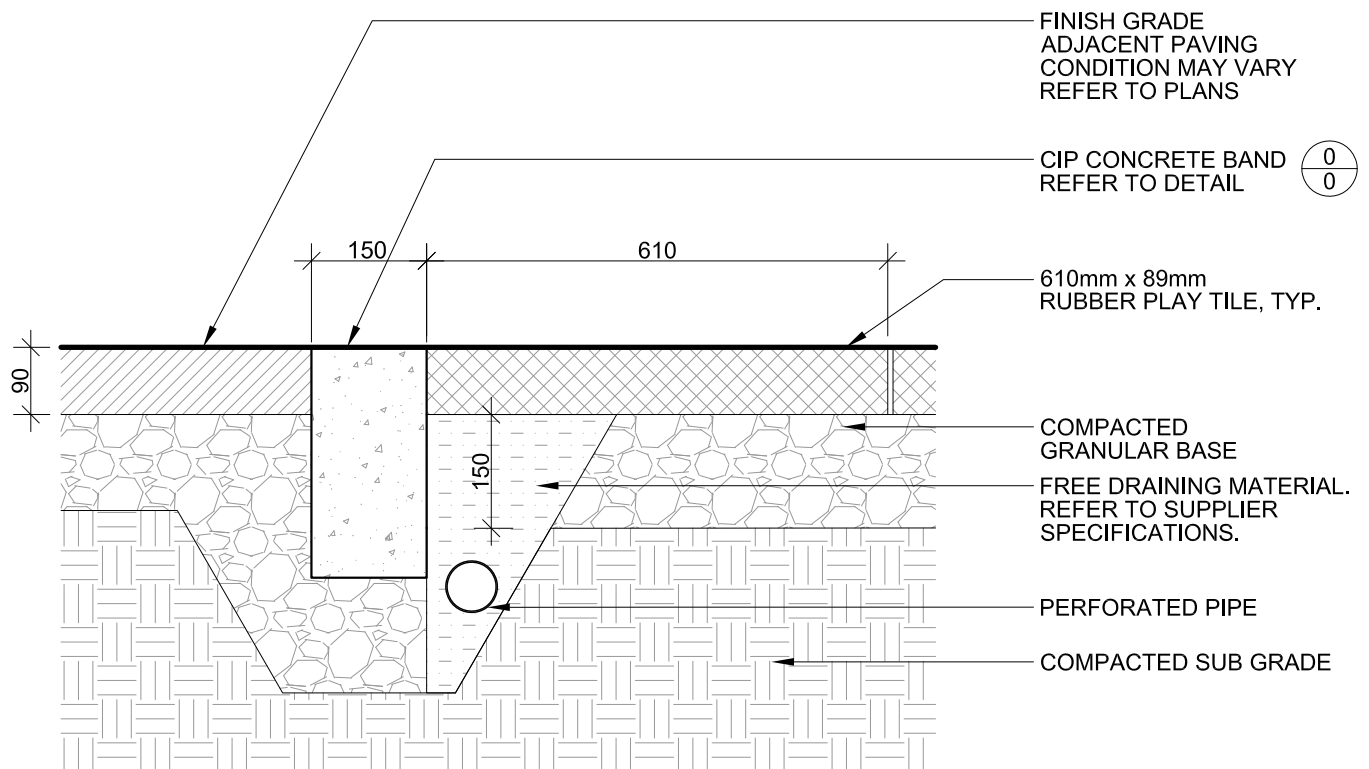
REV

SCALE
1:10

NOTES

SHEET

4-01



NOTE:

1. RUBBER PLAYGROUND TILES SUPPLIED BY DINO FLEX GROUP LIMITED PARTNERSHIP OR PRE-APPROVED EQUAL
2. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS



DRAWING
RUBBER PLAY TILE

DATE
JUNE-2022

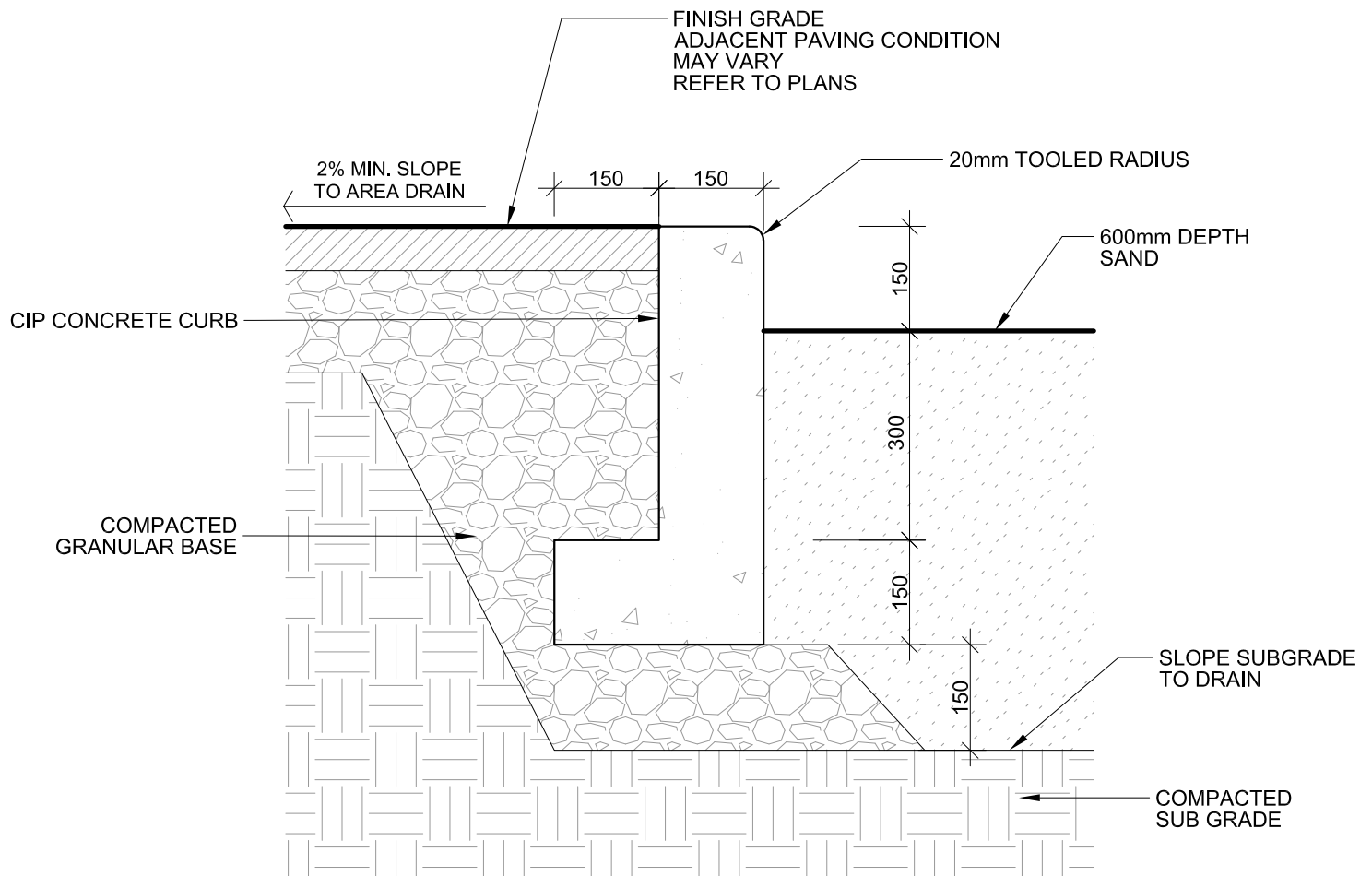
REV

SCALE
1:10

NOTES

SHEET

4-02



NOTE:

1. REINFORCING AND FOOTING DETAILS TO BE PROVIDED IN SEALED DRAWINGS BY PROJECT ENGINEER OR THROUGH THE SUBMITTAL OF SHOP DRAWINGS



DRAWING

SAND PLAY AREA FLUSH EDGE

DATE

JUNE-2022

REV

1

SCALE

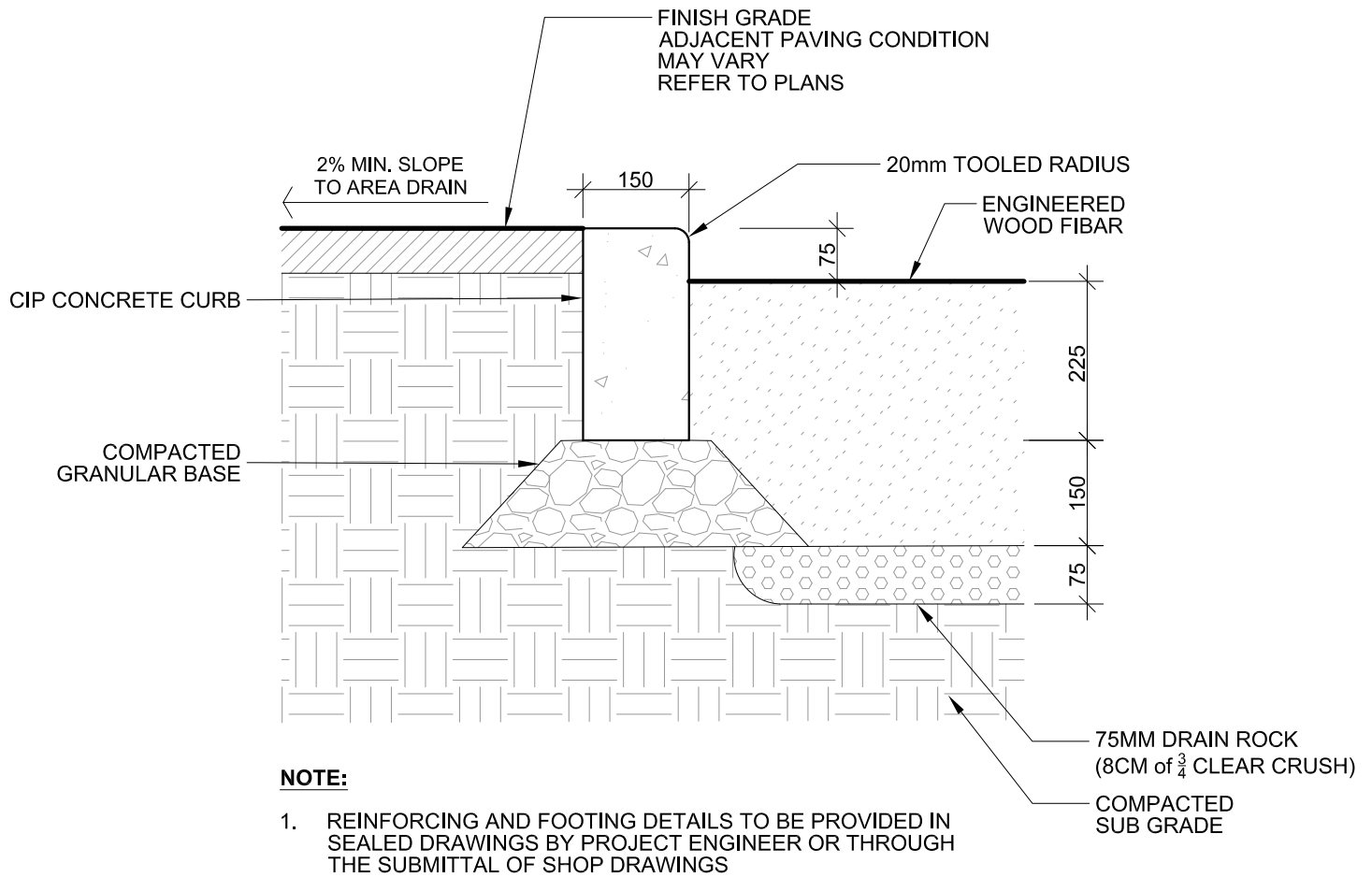
1:10

NOTES

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SHEET

4-03



DRAWING
ENGINEERED WOOD FIBRE -
PLAY AREA

DATE
JUNE-2022

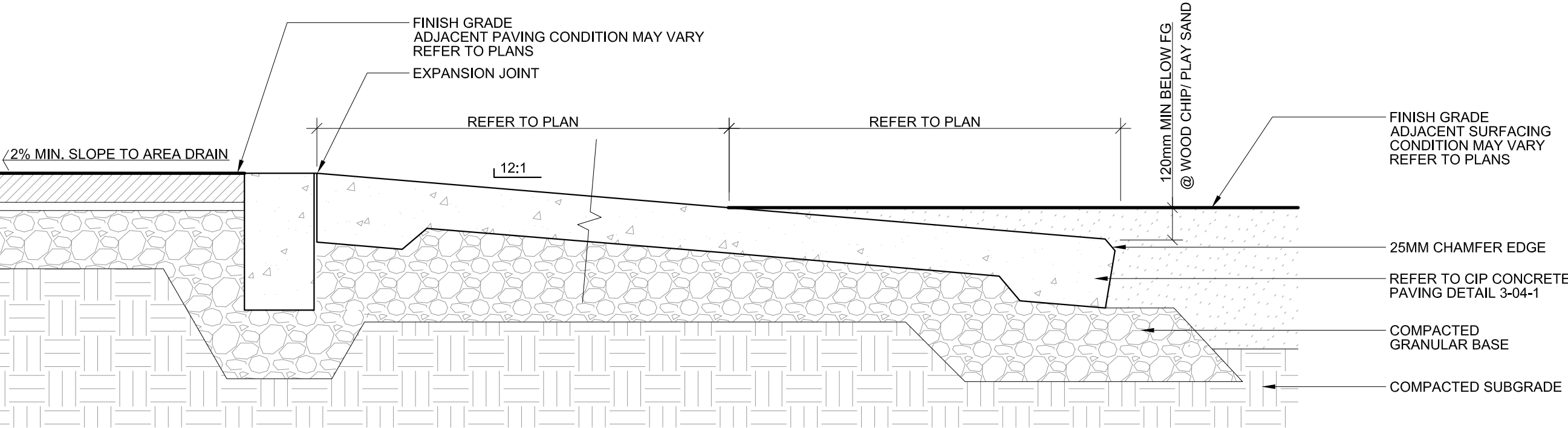
REV

SCALE
1:10

NOTES

SHEET

4-04



- NOTE:**
1. CONTROL JOINTS AS PER DETAIL #2 TO BE PROVIDED 1.5m MIN. O.C. UNLESS SHOWN OTHERWISE ON PLAN, NO TROWEL MARK
 2. EXPANSION JOINTS C/W WITH FIBREBOARD TO BE PROVIDED 6m MAX. O.C. AND AT INTERFACE WITH STRUCTURES SUCH AS WALLS, STEPS, AND CURBS
 3. REFER TO DETAIL 1-01 FOR CONTROL AND EXPANSION JOINT DETAILS
 4. WIDTH VARIES. REFER TO PLAN
 5. REINFORCING AND FOOTING DETAILS TO BE PROVIDED IN SEALED DRAWINGS BY PROJECT ENGINEER OR THROUGH THE SUBMITTAL OF SHOP DRAWINGS

DATE

JUNE-2022

REV

SCALE

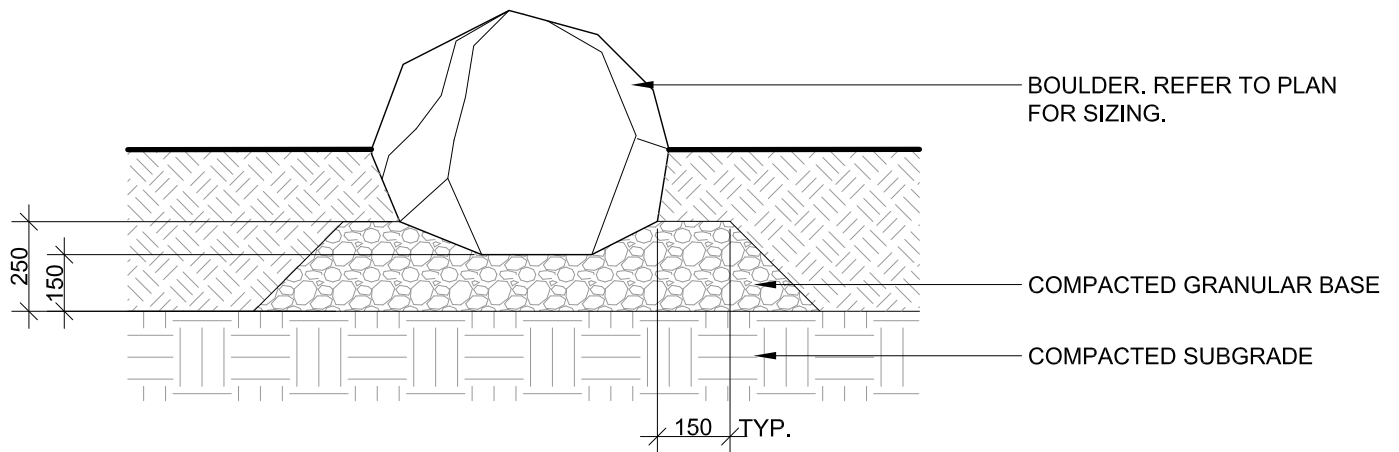
1:10

DRAWING

RAMP AT PLAY AREA

SHEET

4-05



NOTES:

1. SET BOULDERS $\frac{1}{3}$ TO $\frac{1}{2}$ \varnothing BELOW GRADE
2. NO CRACKED OR BROKEN EDGES SHALL BE EXPOSED ABOVE FINISH GRADE
3. BOULDERS PLACEMENT TO BE REVIEWED AND APPROVED BY OWNER REPRESENTATIVE



DRAWING
LANDSCAPE BOULDER

DATE
JUNE-2022

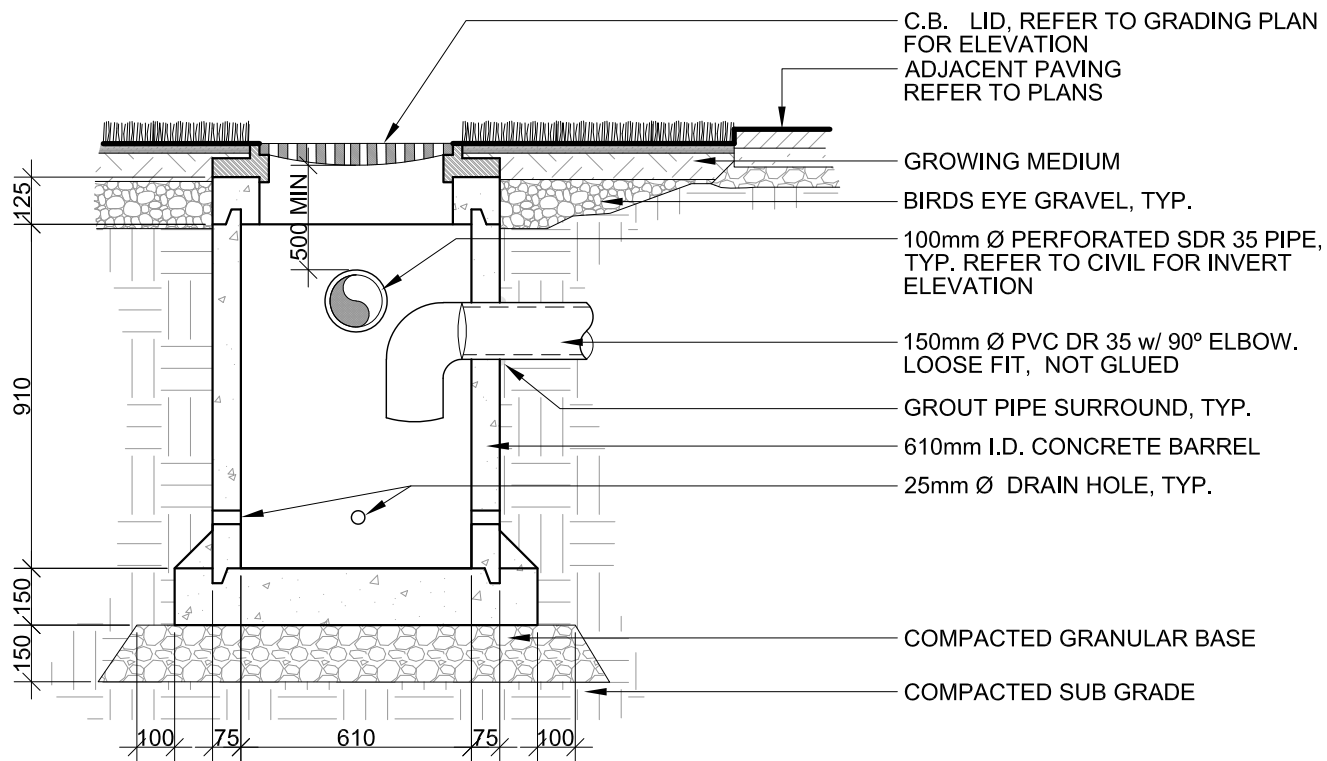
REV

SCALE
1:20

NOTES

SHEET

5-01



NOTE:

1. GRADE ALL AREAS 1.5% - 2% SLOPE TOWARDS THE CATCH BASIN.
2. SURFACE OF EXCAVATED AREA TO BE RESODDED NOT SEEDED.
3. SIZING OF CATCH BASIN TO BE VERIFIED BY PROJECT REQUIREMENTS.
4. CATCH BASIN TO BE COVERED WITH METAL HEEL PROOF GRATE.



DRAWING
CATCH BASIN - FLAT WITH
CLOSED BOTTOM

DATE
JUNE-2022

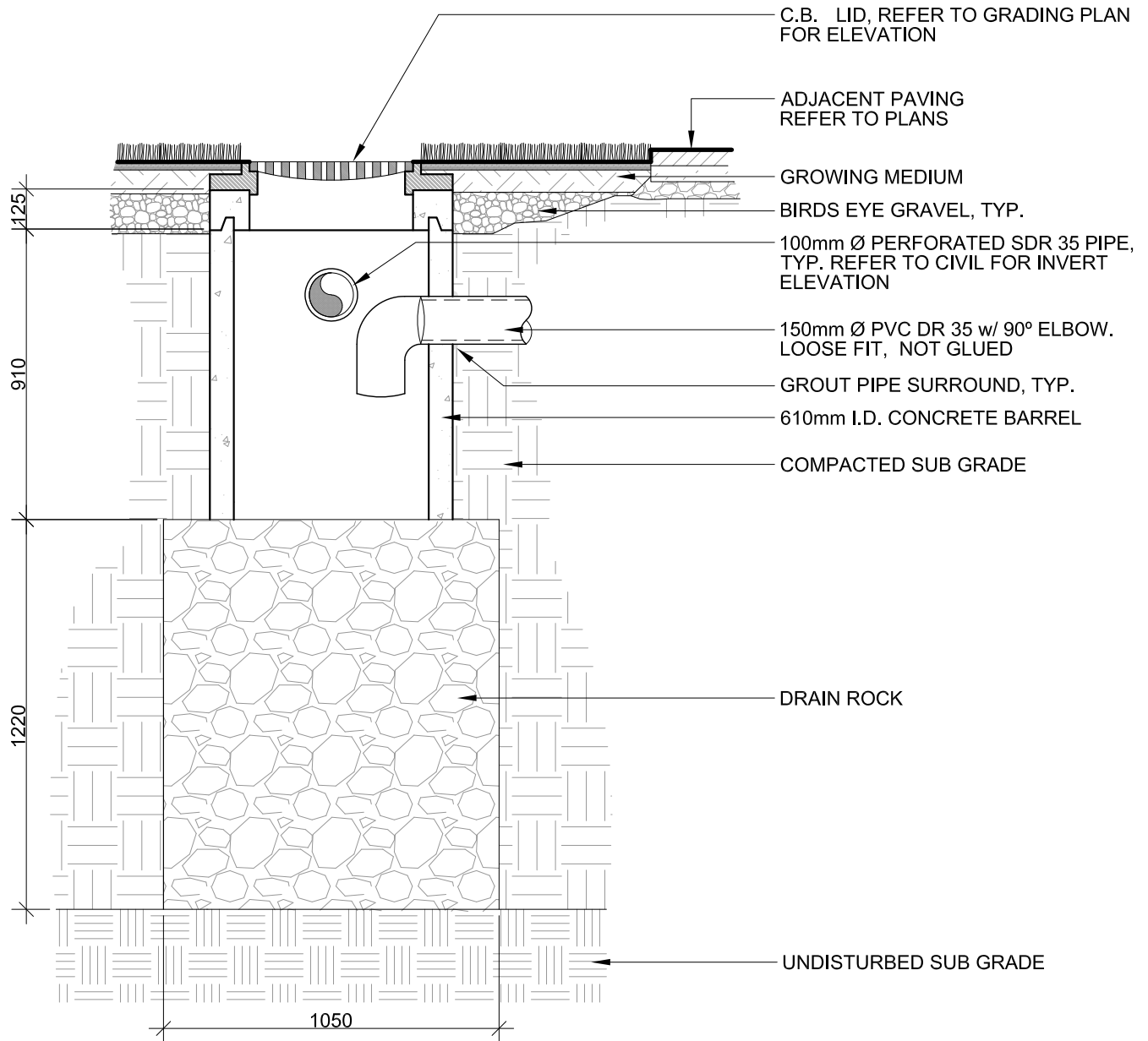
REV

SCALE
1:20

NOTES

SHEET

6-01-1



NOTE:

1. GRADE ALL AREAS 1.5% - 2% SLOPE TOWARDS THE CATCHBASIN
2. SURFACE OF EXCAVATED AREA TO BE RESODDED NOT SEEDED
3. SIZING OF CATCH BASIN TO BE VERIFIED BY PROJECT REQUIREMENTS.
4. CATCH BASIN TO BE COVERED WITH METAL HEEL PROOF GRATE.



DRAWING
CATCH BASIN - FLAT WITH
OPEN BOTTOM

DATE
JUNE-2022

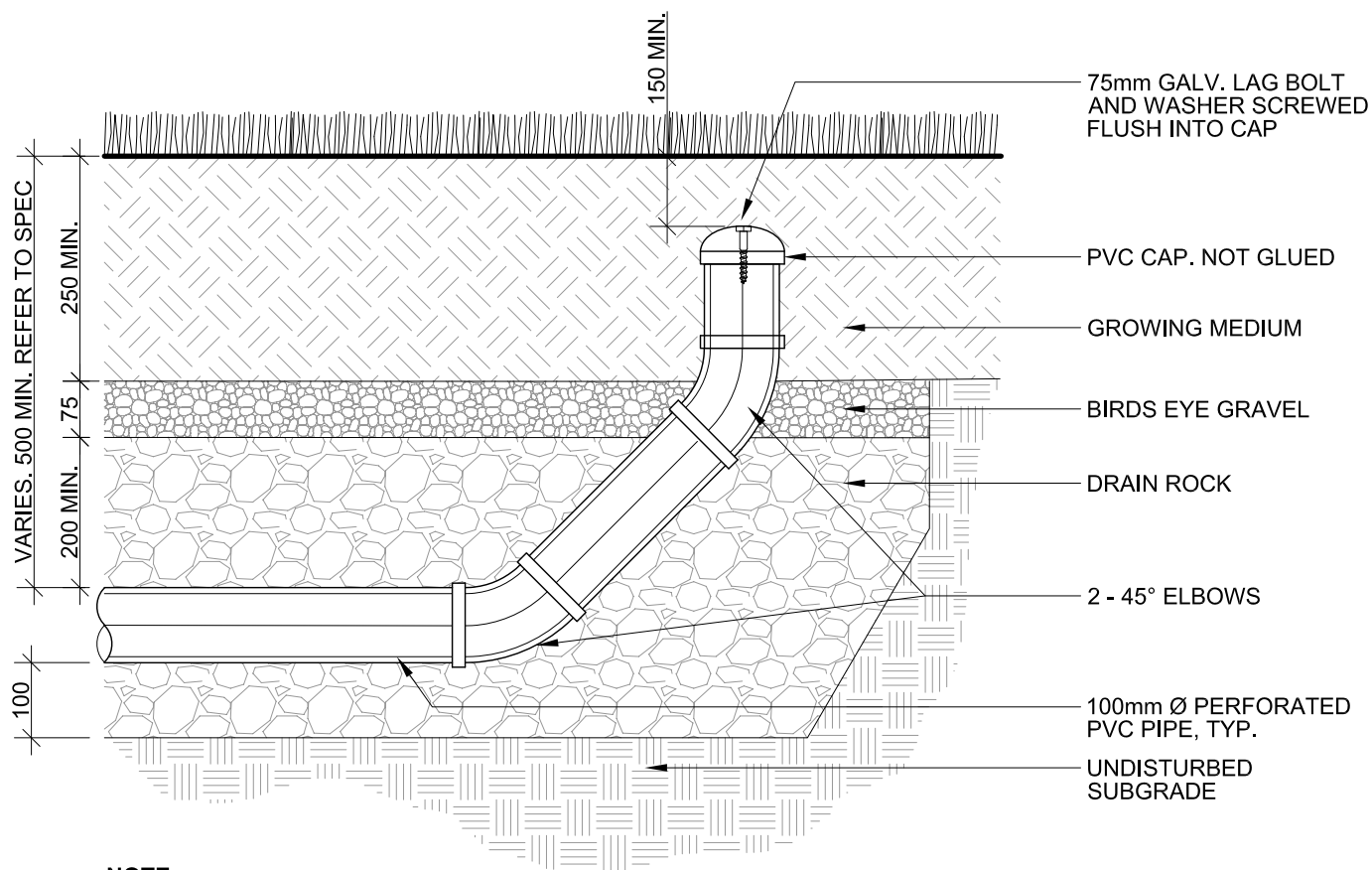
REV

SCALE
1:20

NOTES

SHEET

6-01-2



NOTE:

1. ALL TRENCHES TO BE MINIMUM OF 600mm AWAY FROM FROM HARDSCAPE



DRAWING
DRAINAGE CLEANOUT IN LAWN

DATE
JUNE-2022

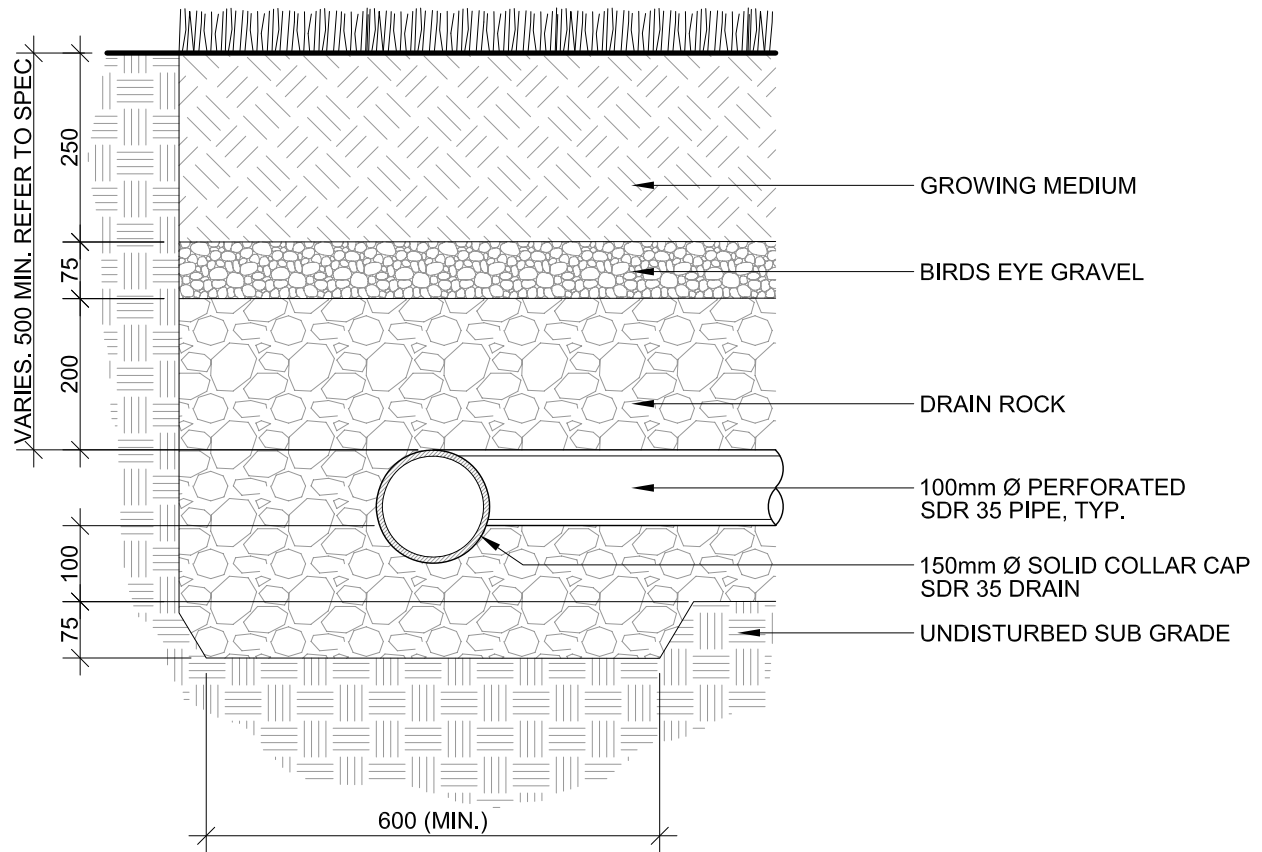
REV

SCALE
1:10

NOTES

SHEET

6-02



NOTE:

1. SPECIFICATIONS TO BE VERIFIED BY PROJECT REQUIREMENTS.



DRAWING
DRAINAGE PERFORATED

DATE
JUNE-2022

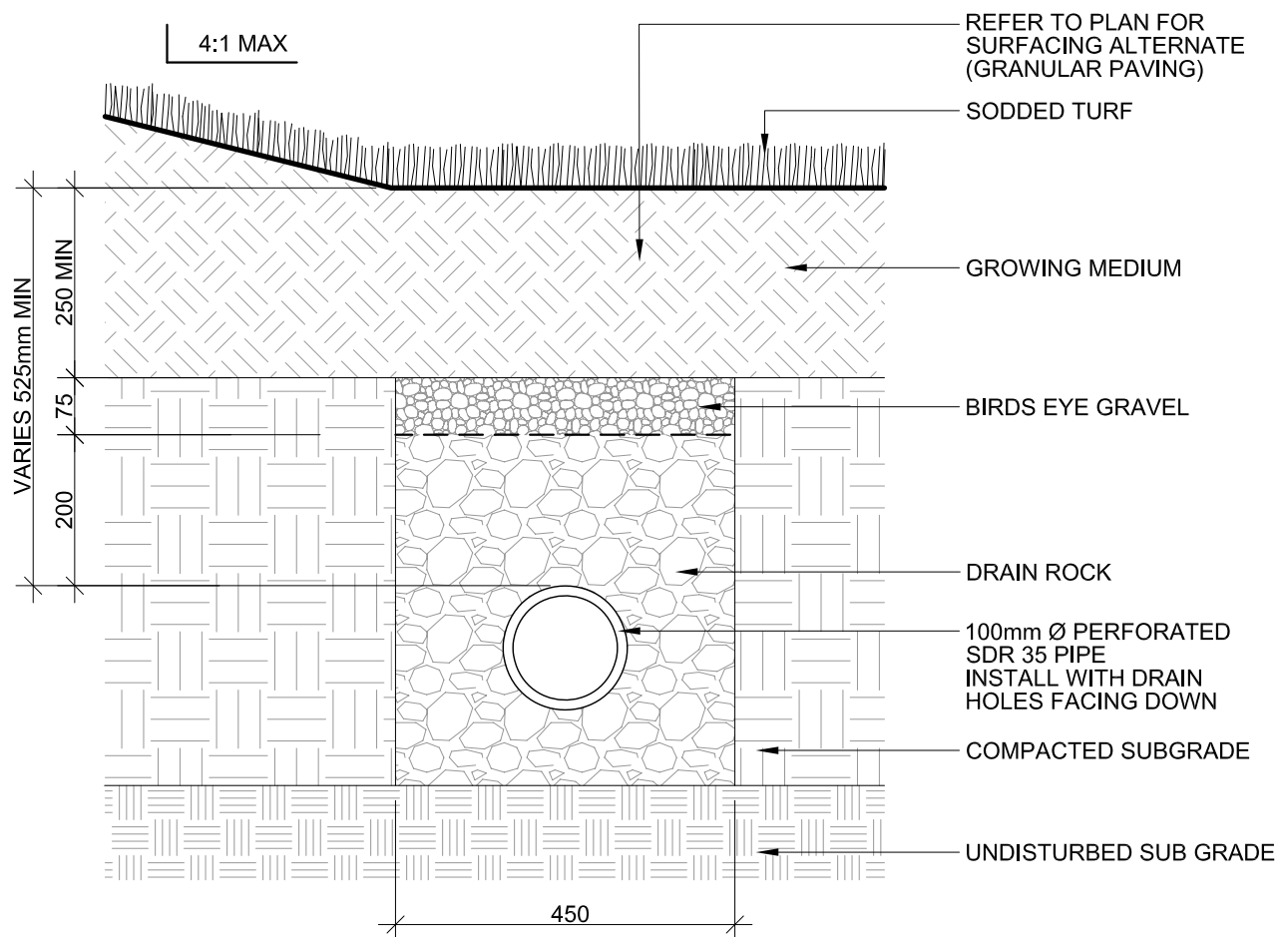
REV

SCALE
1:10

NOTES

SHEET

6-03



NOTES:

1. RESERVOIR MUST BE PROPERLY SIZED BASED ON THE GEOTECHNICAL INVESTIGATION AND INFILTRATION VOLUME.
2. DEPTH AND REQUIREMENTS TO BE PROVIDED BY CIVIL ENGINEER.



DRAWING
INFILTRATION TRENCH
WITH GRASS

DATE
JUNE-2022

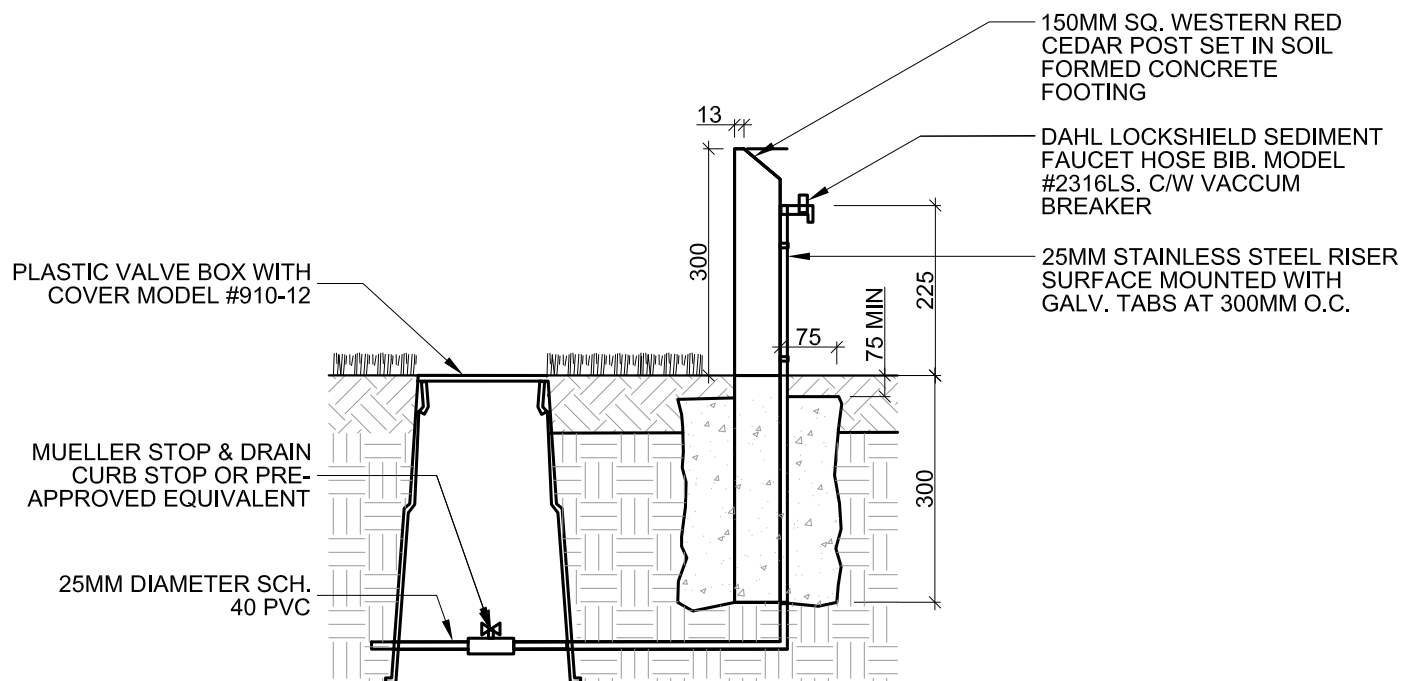
REV

SCALE
1:10

NOTES

SHEET

6-04



DRAWING
HOSE BIB IN COMMUNITY
GARDENS

DATE
JUNE-2022

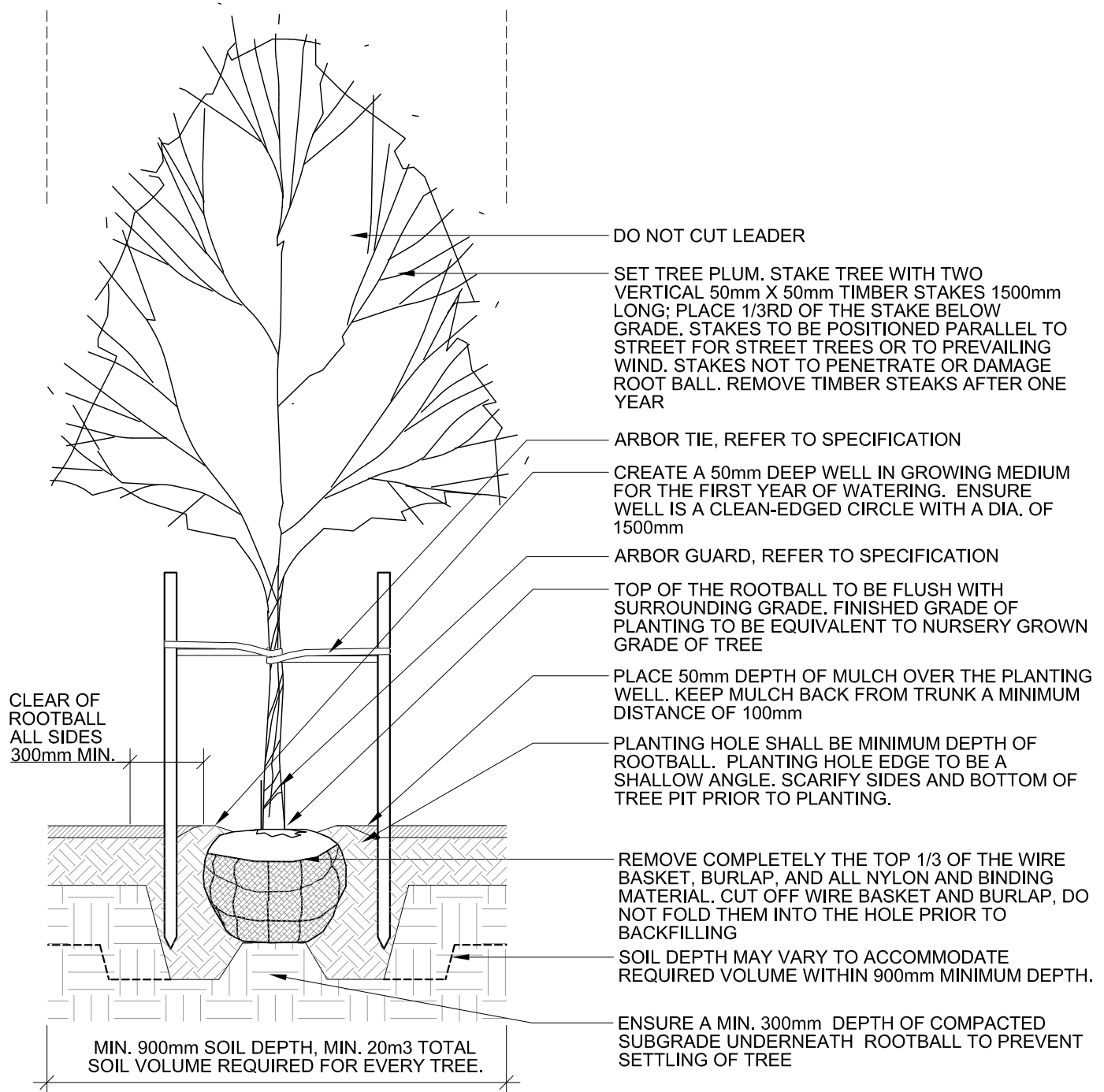
REV

SCALE
1:10

NOTES

SHEET

7-01



NOTES:

1. ONLY PRUNE BROKEN OR DAMAGED BRANCHES USING APPROVED PRUNING TOOLS AND STANDARD I.S.A. PRUNING PRACTICES AS DIRECTED BY CONSULTANT OR PROJECT ARBORIST. SEE SPECIFICATIONS. ANY PRUNING NEED TO ENSURE A CENTRAL LEADER.
2. PLANTING PIT MUST BE FREE DRAINING.



DRAWING

TREE PLANTING

DATE

JUNE-2022

REV

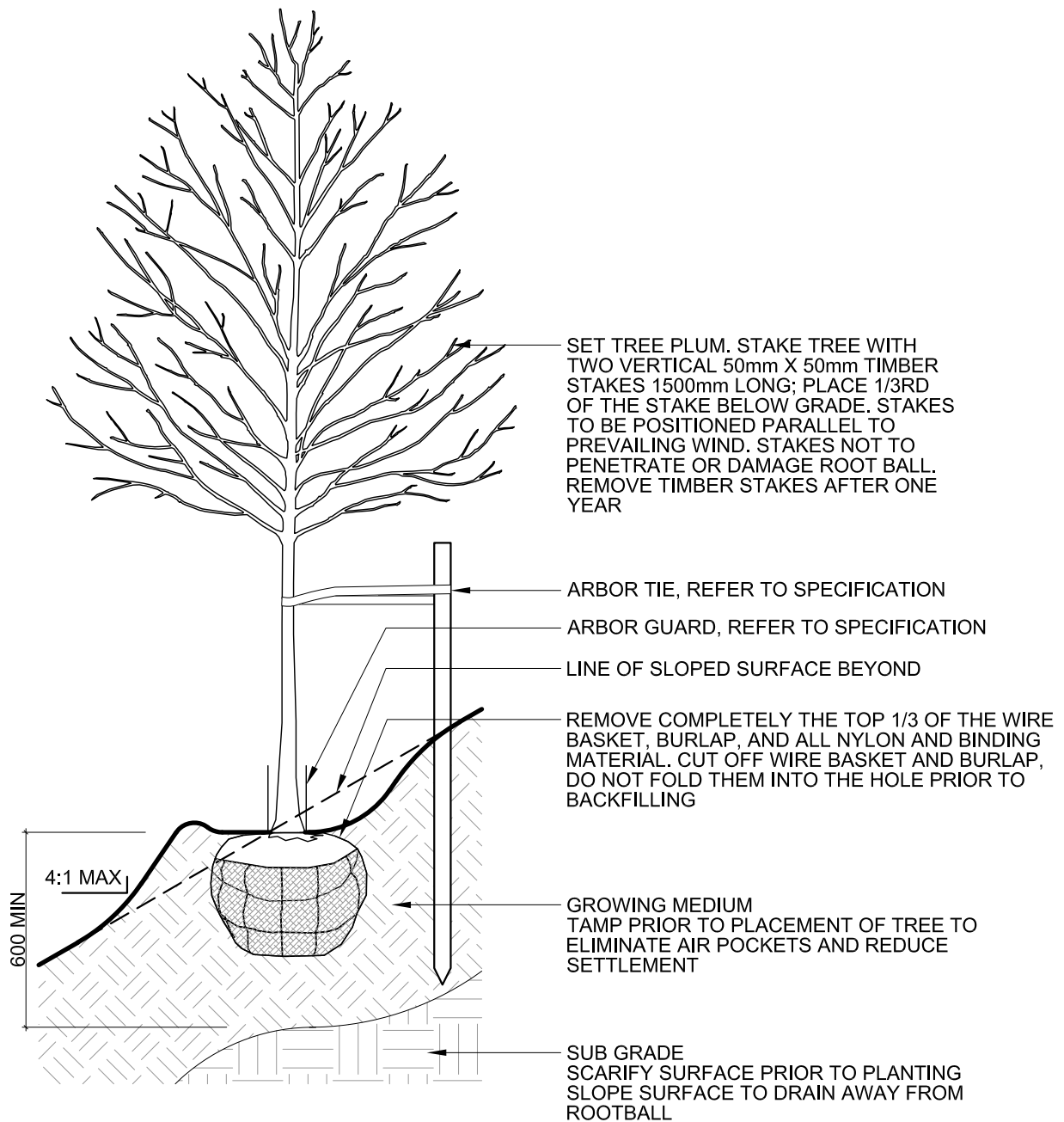
SCALE

1:25

NOTES

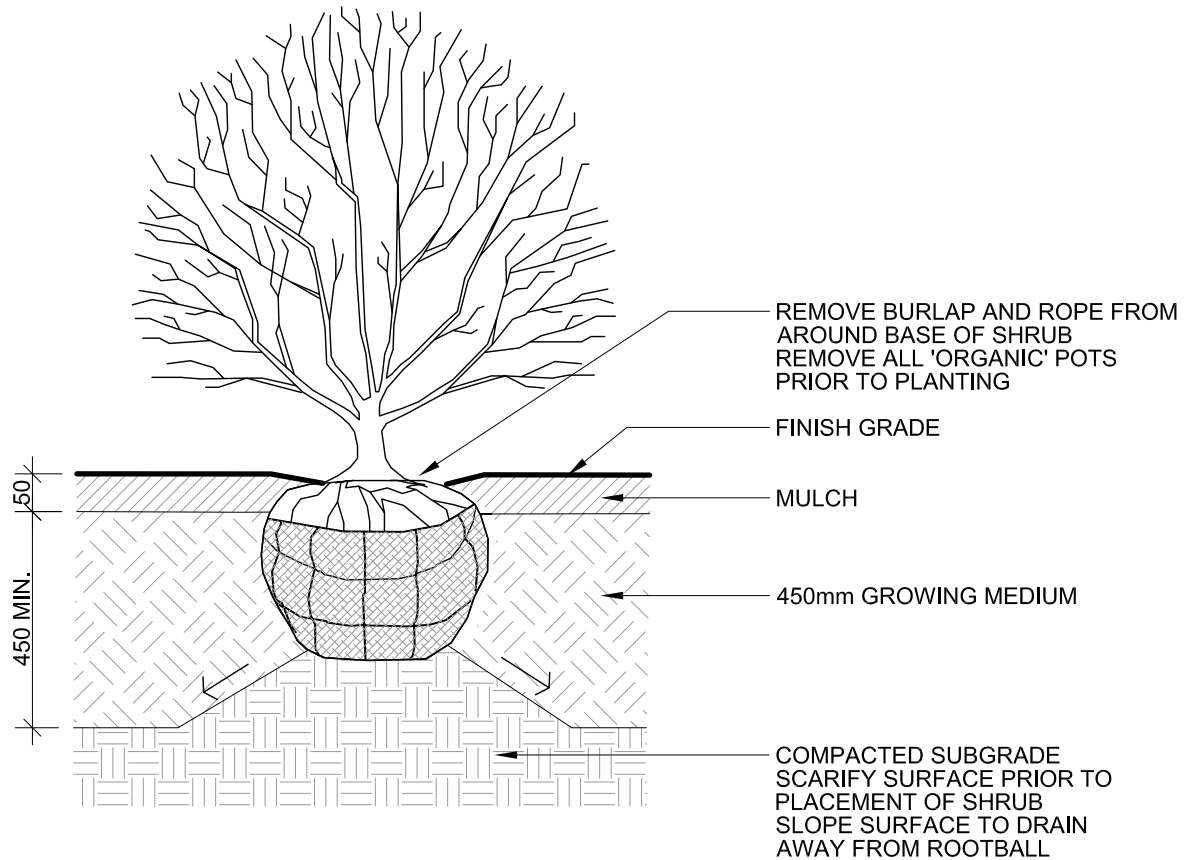
SHEET

8-01



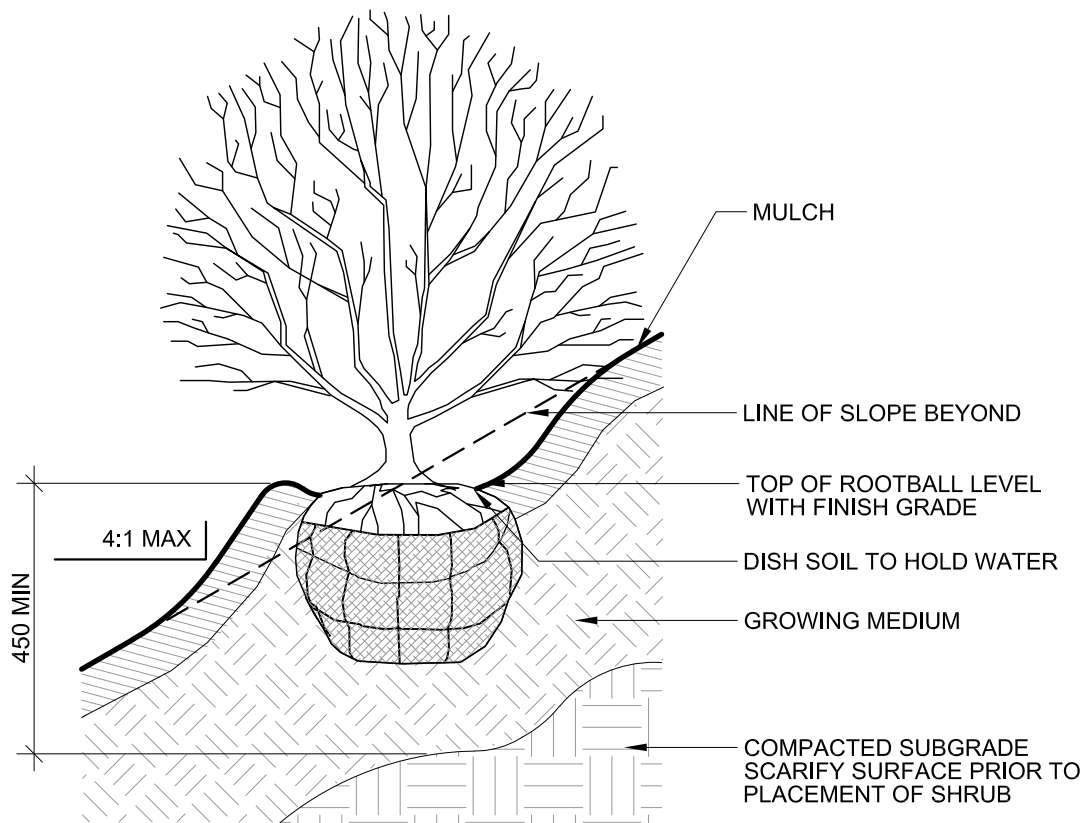
NOTES:

1. TREE TO BE PLANTED WITH ELEVATION OF TOP OF ROOTBALL LEVEL WITH FINISH GRADE ELEVATION.
2. COMPOSTED BARK MULCH TO BE KEPT AT LEAST 100mm AWAY FROM BASE OF TREE TRUNK.
3. ONLY PRUNE BROKEN OR DAMAGED BRANCHES USING APPROVED PRUNING TOOLS AND STANDARD I.S.A. PRUNING PRACTICES AS DIRECTED BY CONSULTANT OR PROJECT ARBORIST. SEE SPECIFICATIONS. ANY PRUNING NEEDS TO ENSURE A CENTRAL LEADER.
4. PLANTING PIT MUST BE FREE DRAINING.



NOTES:

1. SHRUB TO BE PLANTED WITH ELEVATION OF TOP OF ROOTBALL OR POT LEVEL WITH FINISH GRADE OF GROWING MEDIUM.
2. COMPOSTED BARK MULCH AT 50mm DEPTH TO BE KEPT AT LEAST 50mm AWAY FROM STEMS OF SHRUB.
3. PLANTING PIT MUST BE FREE DRAINING



NOTES:

1. SHRUB TO BE PLANTED WITH TOP OF ROOTBALL LEVEL WITH FINISH GRADE
2. COMPOSTED BARK MULCH TO BE KEPT AT LEAST 50mm AWAY FROM STEMS
3. PRUNE ANY BROKEN OR DAMAGED BRANCHES USING APPROVED PRUNING TOOLS AND STANDARD I.S.A. PRUNING PRACTICES



DRAWING

SHRUB PLANTING ON SLOPE

DATE

JUNE-2022

REV

SCALE

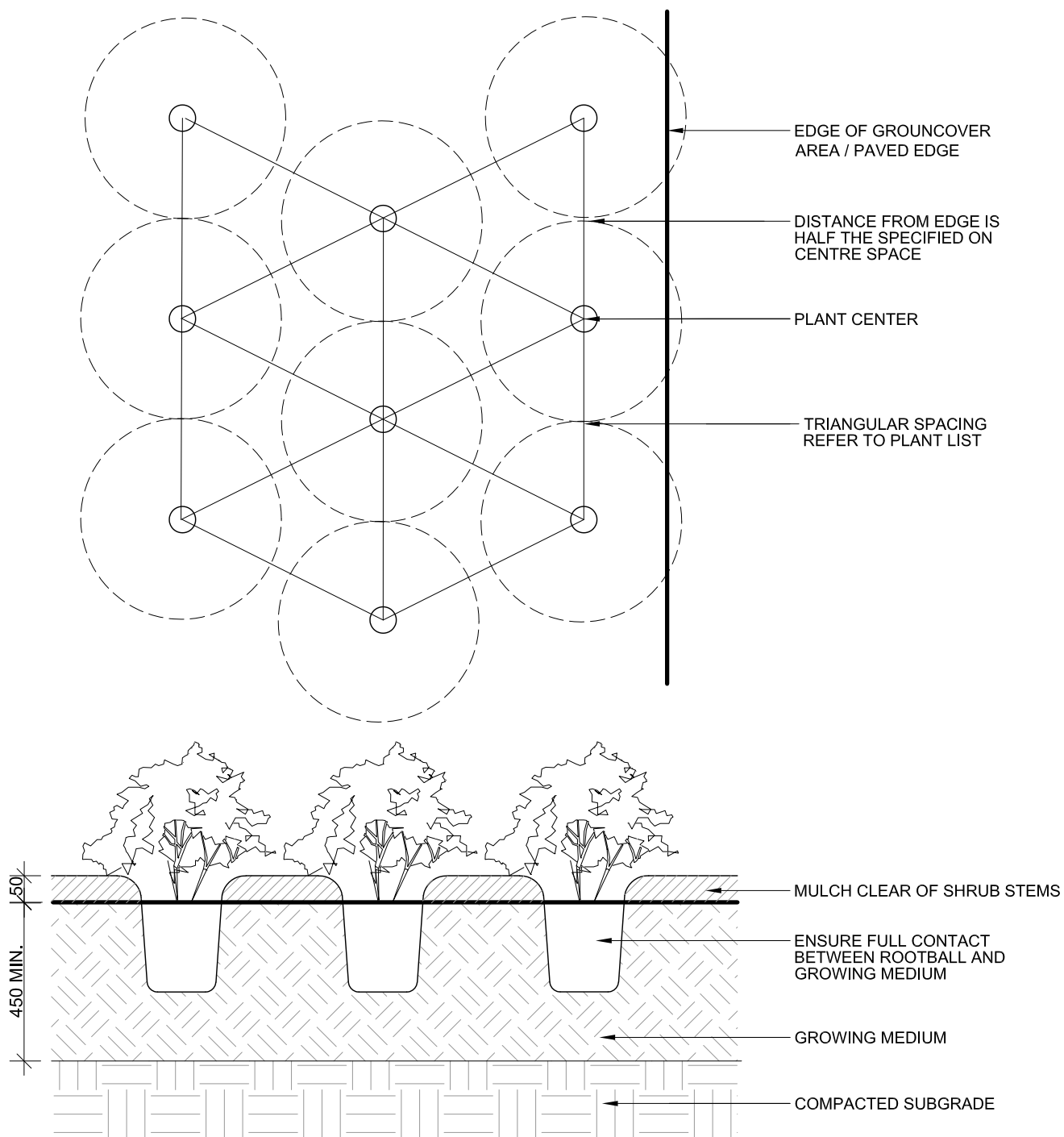
1:5

NOTES

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SHEET

8-04



NOTES:

1. PLANT TO BE PLANTED WITH TOP OF ROOTBALL LEVEL WITH FINISH GRADE.
2. COMPOSTED BARK MULCH TO BE KEPT AT LEAST 2" AWAY FROM STEMS.
3. PRUNE ANY BROKEN OR DAMAGED BRANCHES AND DOUBLE LEADERS USING APPROVED PRUNING TOOLS AND STANDARD I.S.A. PRUNING PRACTICES. SEE SPECIFICATIONS.
4. A REPRESENTATIVE AREA OF EACH PLANT SPECIES IS TO BE LAID OUT AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLANTING



DRAWING
GROUND COVER PLANTING
AND LAYOUT

DATE
JUNE-2022

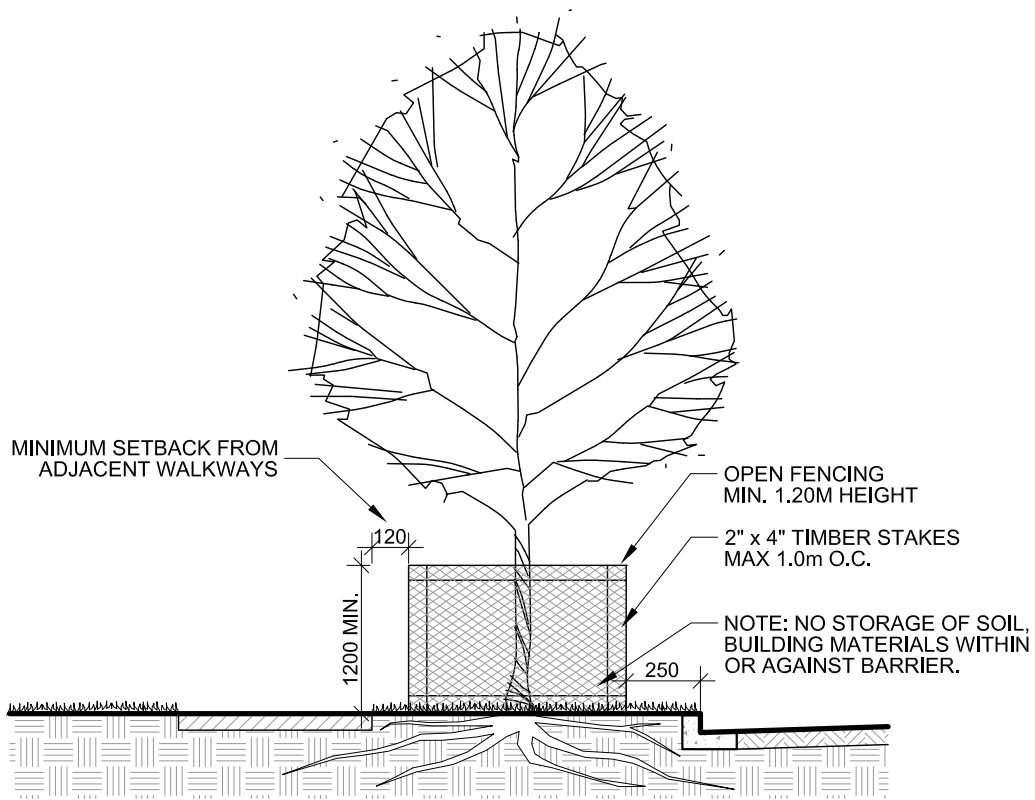
REV

SCALE
1:10

NOTES

SHEET

8-05



NOTE:

1. TREE PROTECTION BARRIERS MUST BE AT LEAST 1.20M IN HEIGHT AND CONSTRUCTED OF EITHER, SNOW FENCING SECURELY FASTENED TO 2x4 TIMBER STAKES OR METAL STAKES, SPACED NO FURTHER THAN 1.00M APART.
2. INSTALL AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE OF THE TREE TO BE SAVED, AS SHOWN ON PLANS AND/OR ARBORIST REPORT, AND SHALL COMPLETELY ENCIRCLE TREE(S).
3. TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ON SITE.
4. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE VPB ARBORIST.
5. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED UNLESS APPROVED BY THE VPB ARBORIST.
6. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE VPB ARBORIST AND WITH PRIOR APPROVAL.
7. WHERE SOME EXCAVATE OR FILL HAS TO BE TEMPORARILY LOCATED NEAR A TREE PROTECTION BARRIER, PLYWOOD MUST BE USED TO ENSURE NO MATERIAL ENTERS THE TREE PROTECTION ZONE.
8. FENCING MUST REMAIN THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES. REMOVAL OR RELOCATION OF FENCING FOR TEMPORARY ACCESS MUST BE REPLACED DAILY AND IMMEDIATELY UPON COMPLETION OF WORK REQUIRING ACCESS.



DRAWING
TREE PROTECTION BARRIER
FENCING

DATE
JUNE-2022

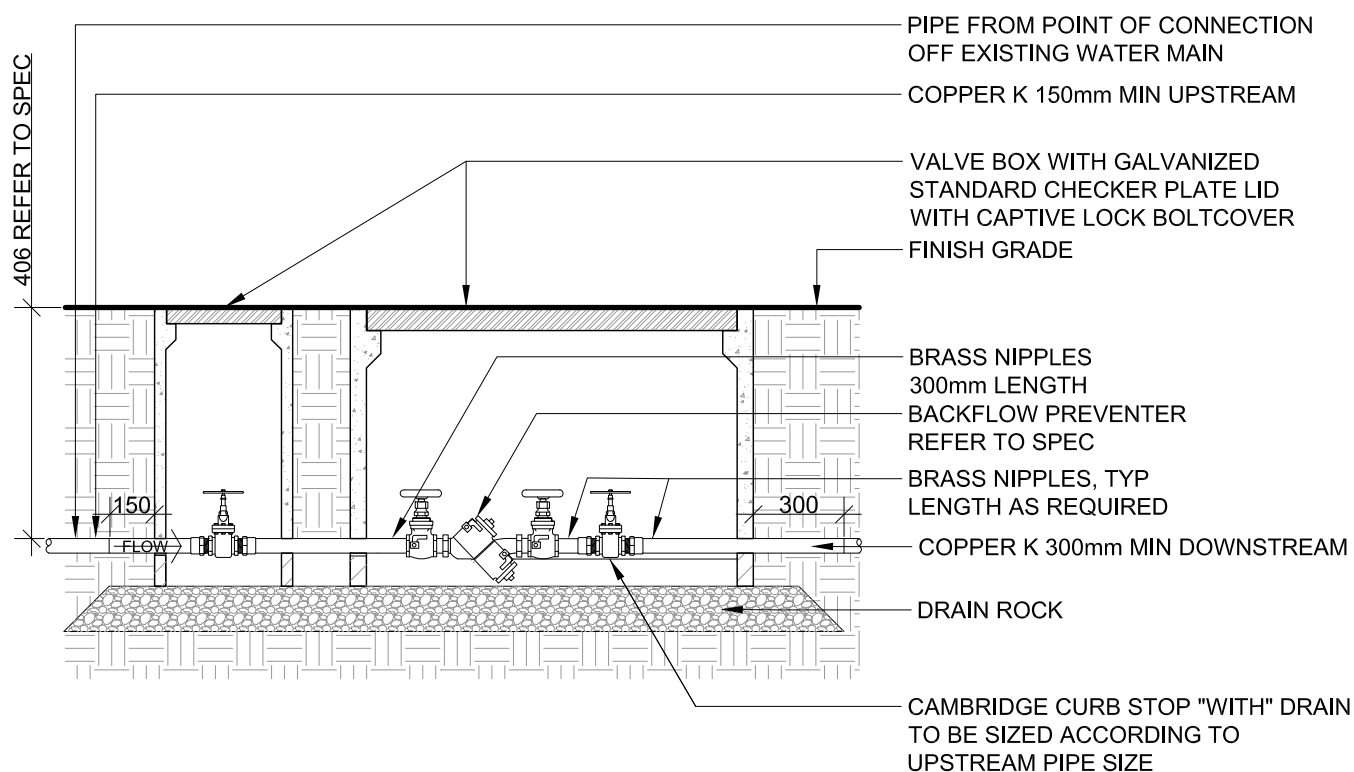
REV

SCALE
1:25

NOTES

SHEET

8-06



NOTE:

1. ENSURE ALL DIMENSIONS AND CLEARANCES COMPLY WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS
2. INSTALLATION MUST BE APPROVED BY LOCAL PLUMBING INSPECTOR
3. ALL MATERIALS TO BE IN ACCORDANCE WITH CURRENT BC PLUMBING CODES
4. UTILITY BOX SHOWN FOR BACK FLOW PREVENTER IS DIAGRAMMATIC
5. PROVISIONS FOR FREEZING WINTER CONDITIONS ARE NOT SHOWN. WHERE CLIMATE REQUIRES, THEY SHALL BE ADDED TO MEET THE REQUIREMENTS OF THE CITY ENGINEER
6. INCLUDE WATTS PRESSURE REDUCING VALVE FOR 25mm LINE
7. RISERS (IF NEEDED, BY AE CONCRETE OR PRE-APPROVED EQUAL)



DRAWING
BACKFLOW PREVENTER

DATE
JUNE-2022

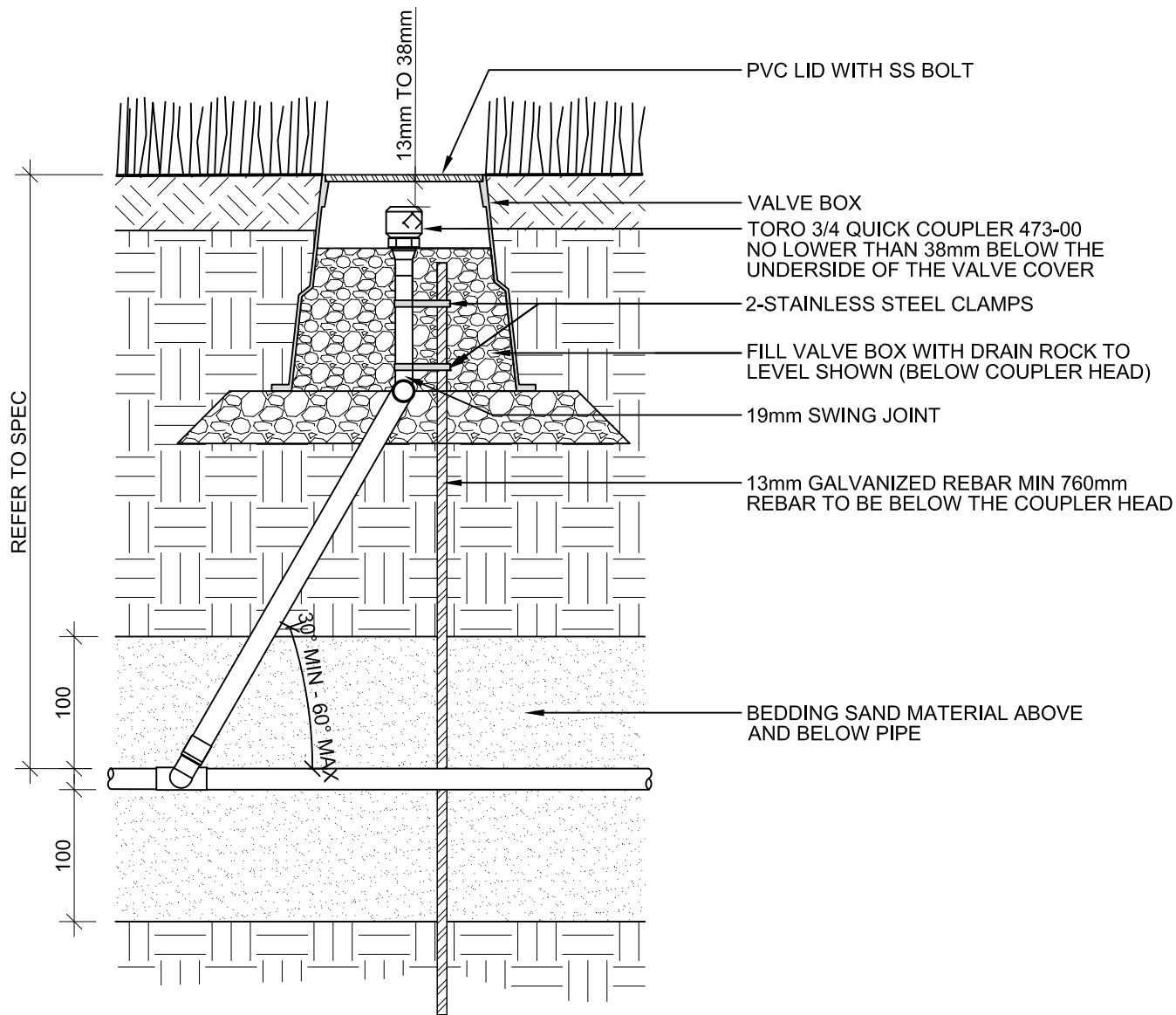
REV

SCALE
1:25

NOTES

SHEET

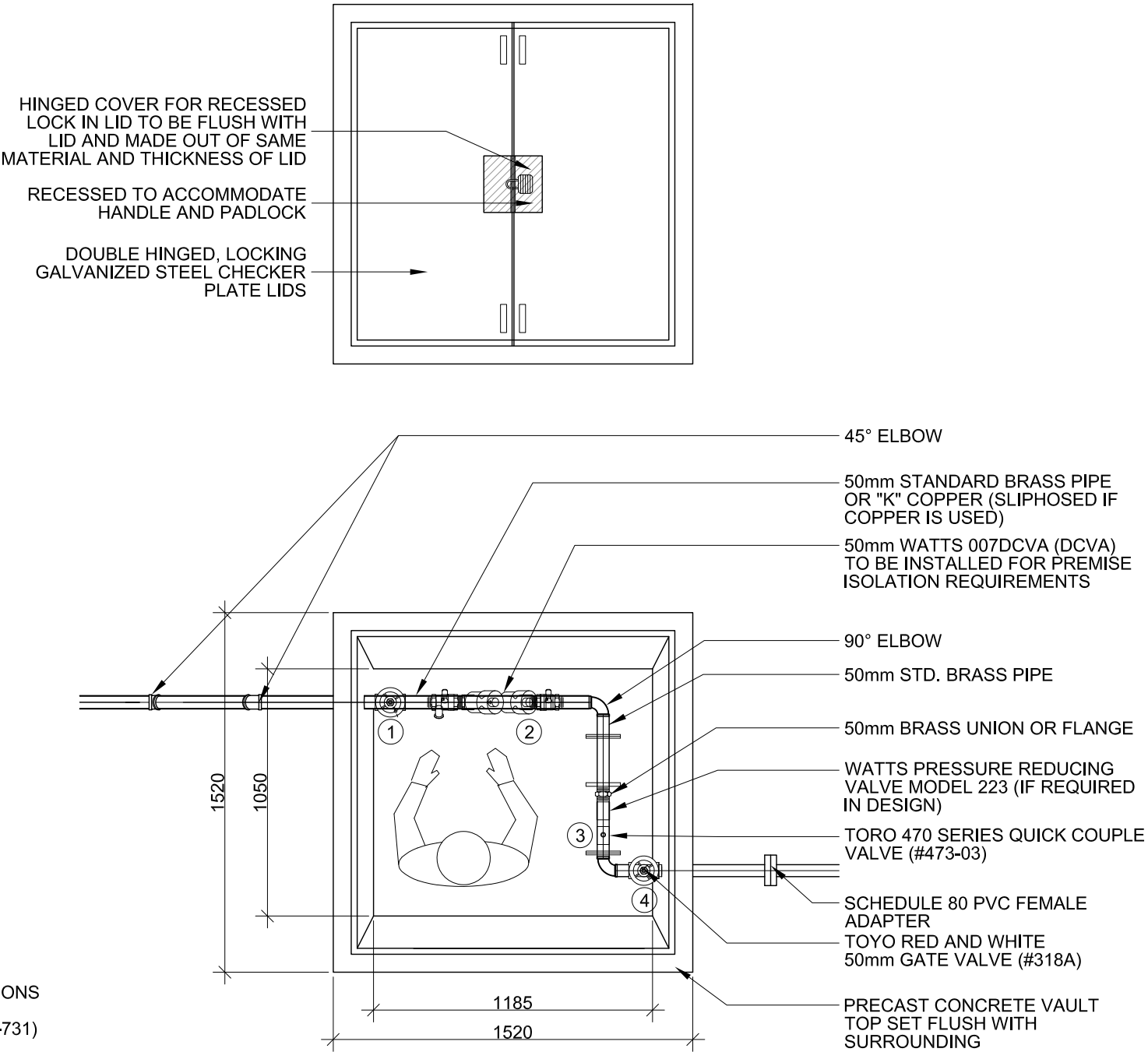
9-01



BILL OF MATERIALS			COMPONENT MODEL NUMBER FOR REQUIRED PIPE SIZES		
ITEM	QTY	DESCRIPTION	38mm	50mm	76mm
1	2	45 ° ELBOW	-	-	-
2	-	50mm STANDARD BRASS PIPE	-	-	-
3	1	WATTS 007 (DCVA) 50mm DOUBLE CHECK VALVE ASSEMBLY OR "ALTERNATIVE ACCEPTABLE WILKINS (DCVA)"	950 XLT	950 XLT	350
4	1	90° ELBOW	-	-	-
5	1	1.5m SERVICE VAULT - K/O (A.E.CONCRETE PRECAST PRODUCTS)	-	-	*
6	1	RAINBIRD PEB	910P	910P	910P
7	1	TORO 470 SERIES QUICK COUPLE VALVE	473-03	473-03	473-03
8	2	TOYO RED AND WHITE 50mm GATE VALVE	318A	318A	272A
9	1	SCHEDULE 80 PVC FEMALE ADAPTER	-	-	-
10	2	PIPE SUPPORTS TO BE BOLTED TO BASE	-	-	-
11	1	MAINLINE BACKFLOW TERMINAL VALVE AND ASSEMBLY	4963P	49663P	4963P
12	1	WATTS PRESSURE REDUCING VALVE (IF REQUIRED IN DESIGN)	223	223	N223B
13	1	470 QUICK COUPLER WITH TRIPLE SWING JOINT.	-	-	-
14	2	UNISTRUTS AND CLAMPS	-	-	-
15	1	IPEX DWV HUB # 017494	-	-	-

NOTE:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED
2. VAULT SIZE MAY VARY DUE TO PIPE SIZE AND COMPONENTS REQUIRED
3. SITE MEASURED CONCRETE VAULT TO CONFIRM DIMENSIONS PRIOR TO FABRICATION
4. WIRING TO BE #12AWG, COPPER STANDARD, COLOR CODED IN ACCORDANCE WITH SPECIFICATIONS
5. RIGID PVC TO BE CONTINUOUS BETWEEN KIOSK AND VAULT
6. 50mm METER TO BE INSTALLED (CALL DAN WALKER TO ARRANGE METER INSTALLATION 604-873-731)
7. ALL BREAKS OR IN CONCRETE TO BE PARGED WITH GROUT. VAULT TO BE MASTIC COATED
8. PADLOCK POCKET TO BE WELDED TO FRAME
9. ALL PIPING ENTERING AND EXITING THE VAULT SHOULD BE COPPER OR BRASS



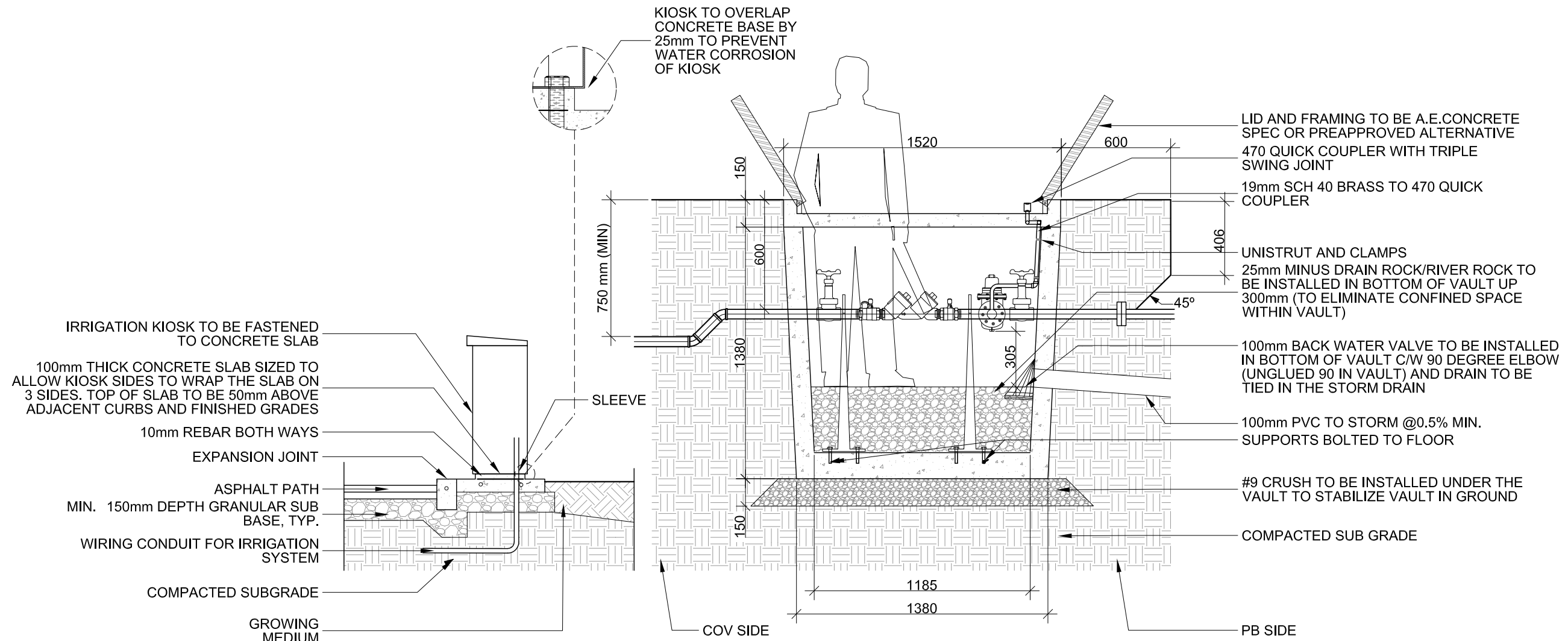
DATE
JUNE-2022

REV

SCALE
1:25

DRAWING
IRRIGATION VAULT
PAGE 1 OF 2

SHEET
9-03-1



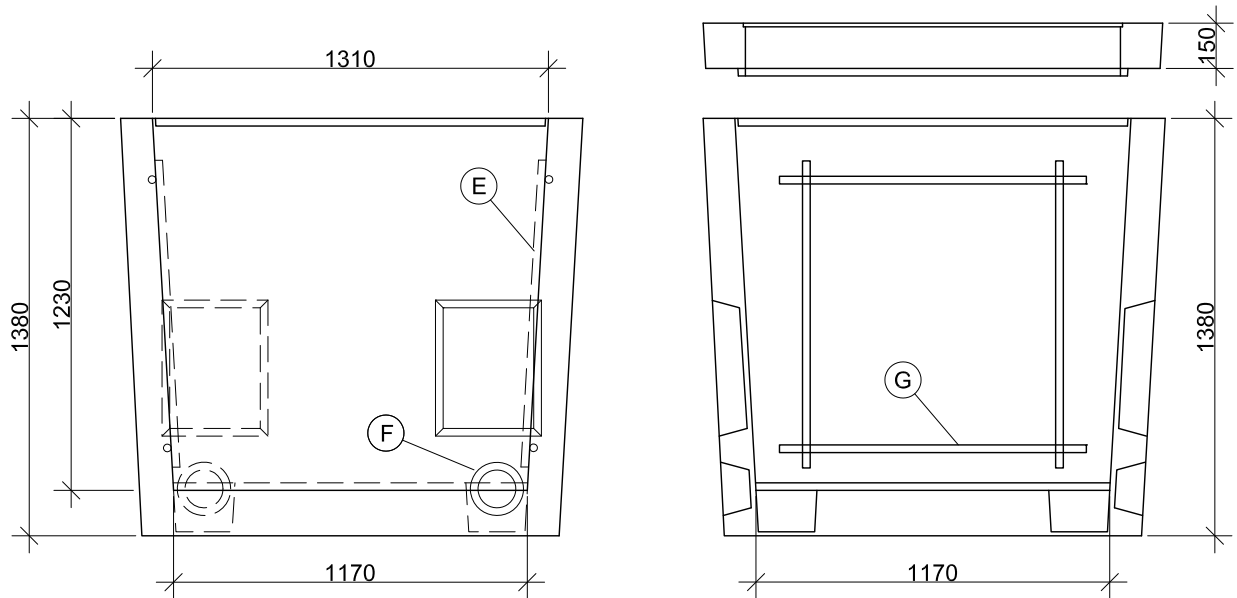
DATE
JUNE-2022

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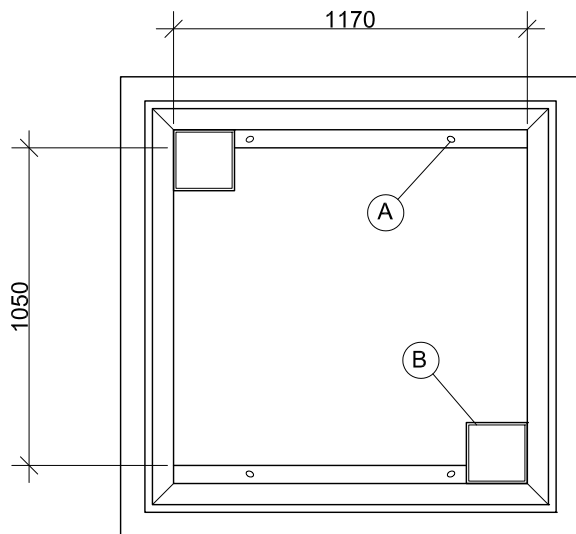
SCALE
1:25

DRAWING
IRRIGATION VAULT
PAGE 2 OF 2

SHEET
9-03-2



SECTION

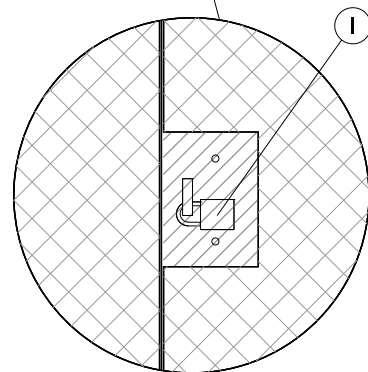
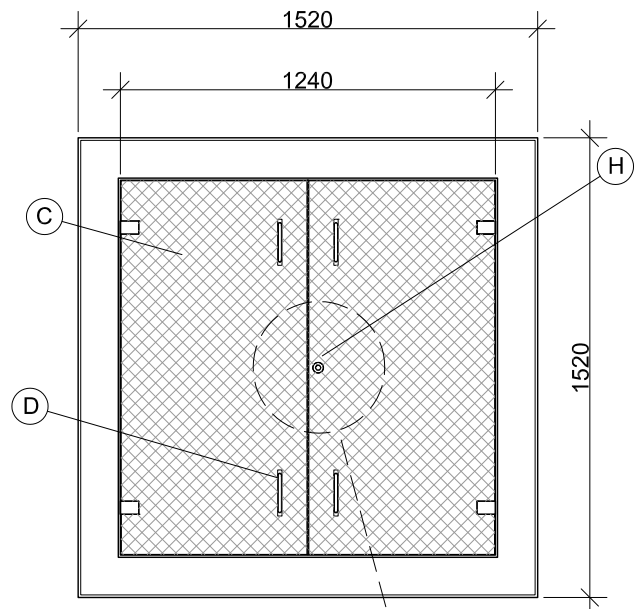


PLAN

- A. 25mm INSERT TYP OF 4
- B. SUMP
- C. GALVANIZED STEEL CHECKER PLATE COVER
- D. LIFTING HANDLE
- E. 4 PIECES CABLE RACKING (1015mm LONG)
- K. K/OUT
- G. 4 PIECES UNISTRUT P-3270 (1015mm LONG)
- H. BOLT DOWN COVER AND RECESSED LOCK CONFIGURATION TO BE DETERMINED BY VPB
- I. OPTIONAL RECESSED PADLOCK WITH GALVANIZED STEEL COVER PLATE

NOTE:

1. SUPPLIER: AE CONCRETE PRECAST PRODUCTS LTD.



DRAWING
1.5M SERVICE VAULT

DATE
JUNE-2022

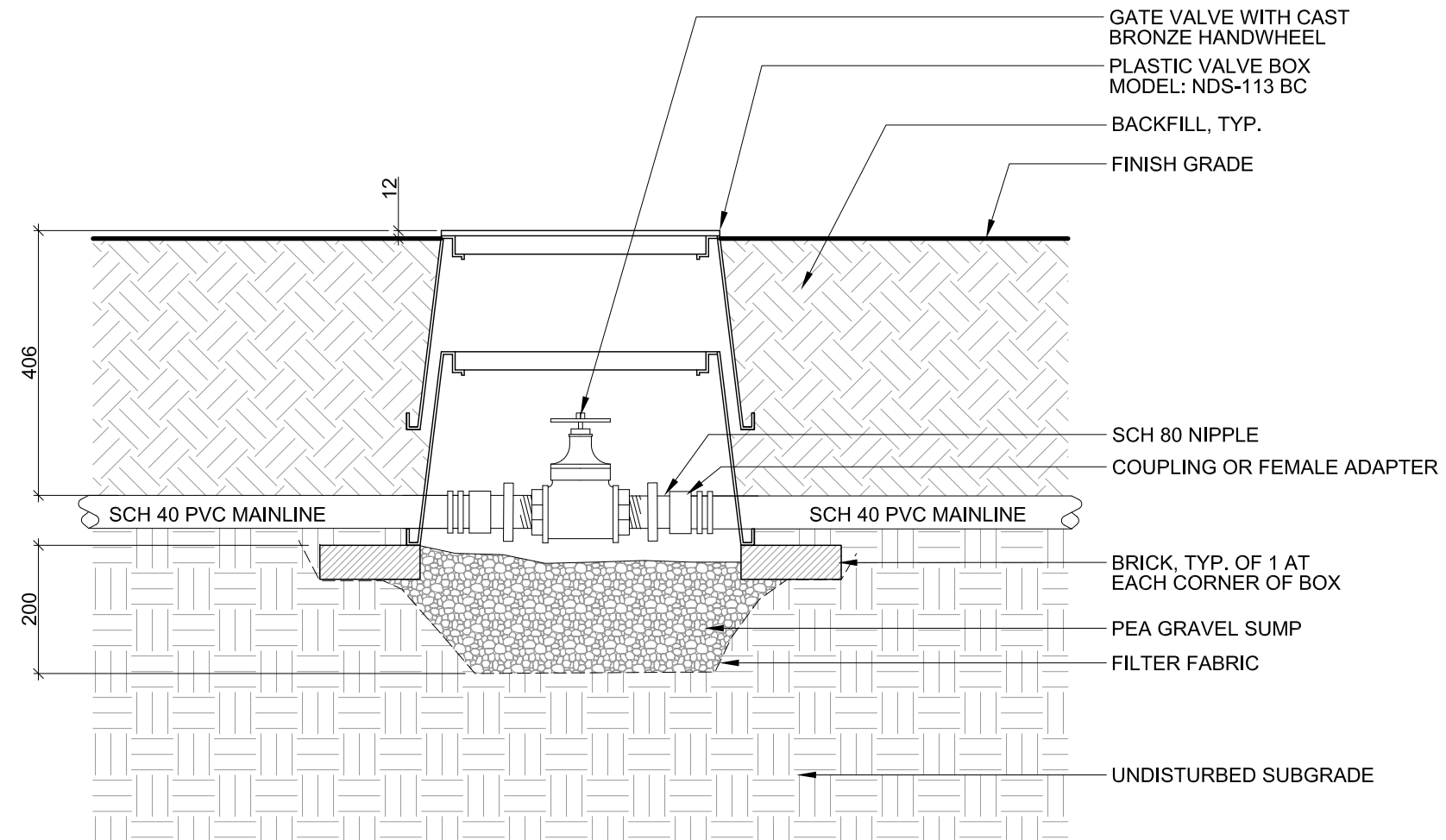
REV

SCALE
1:25

NOTES

SHEET

9-04



DATE
JUNE-2022

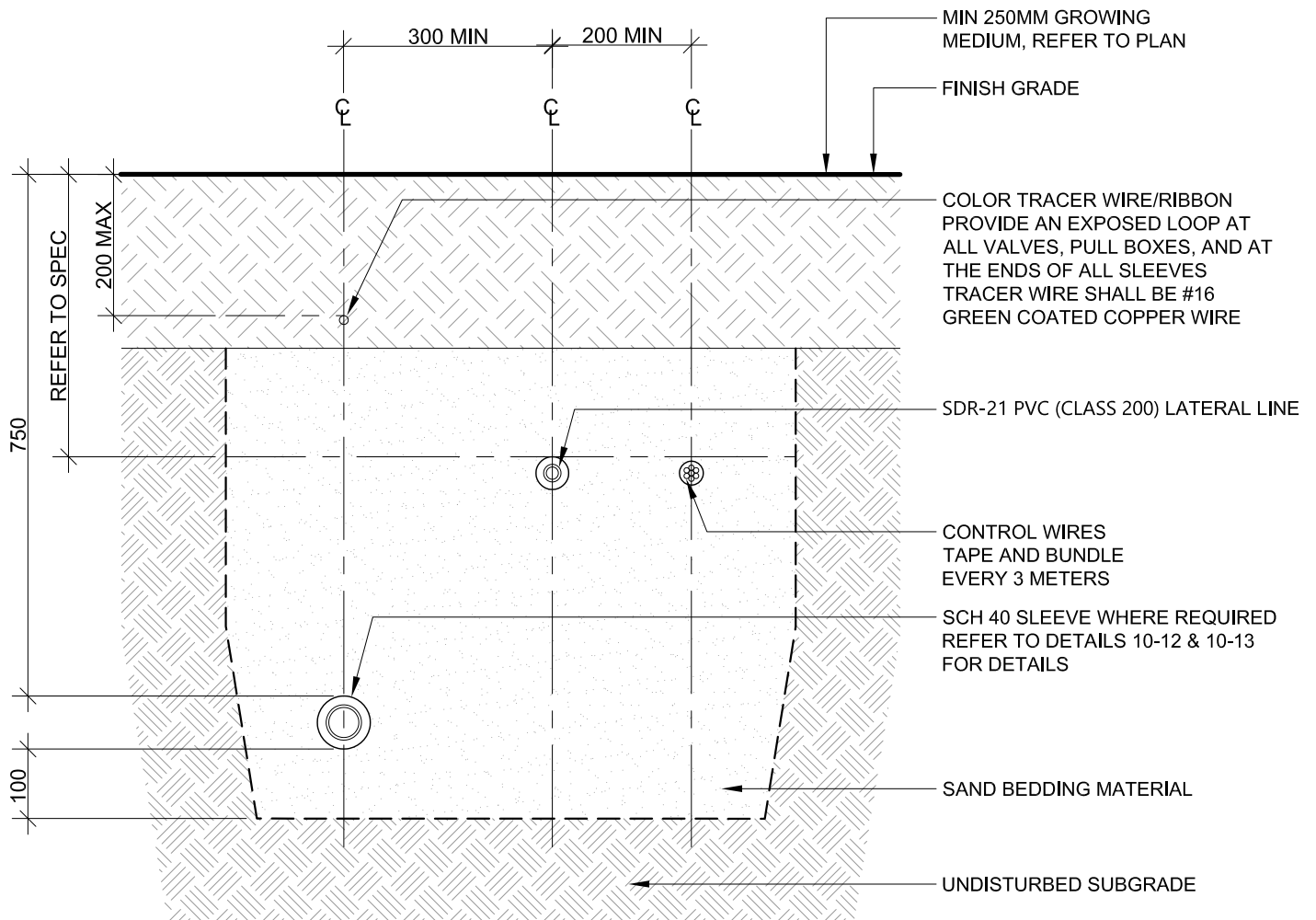
REV

SCALE
1:10

DRAWING
IRRIGATION MAINLINE
ISOLATION VALVE

SHEET

9-05



NOTES:

1. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. IRRIGATION PIPING TO BE SLEEVED AT ALL LOCATIONS WHERE INSTALLED UNDER PAVED SURFACES.
REFER TO DETAILS 10-12 & 10-13 FOR SLEEVING DETAILS.



DRAWING
IRRIGATION TRENCHING

DATE
JUNE-2022

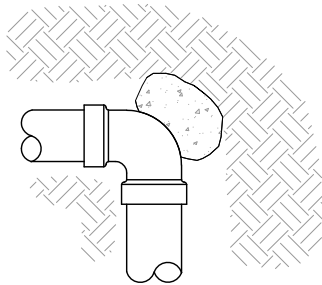
REV

SCALE
1:10

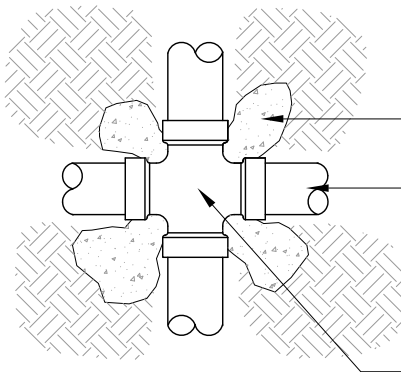
NOTES

SHEET

9-06



ELL

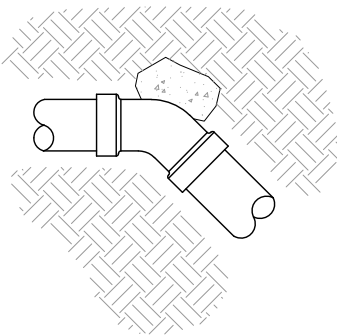


CROSS

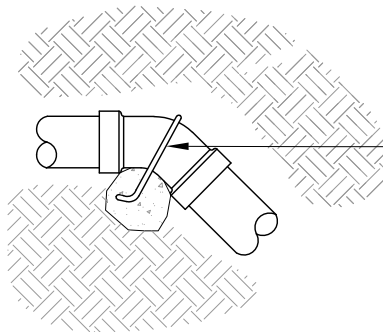
CONCRETE THRUST BLOCK
(TYP.)

PIPE (TYP.)

FITTING (TYP.)

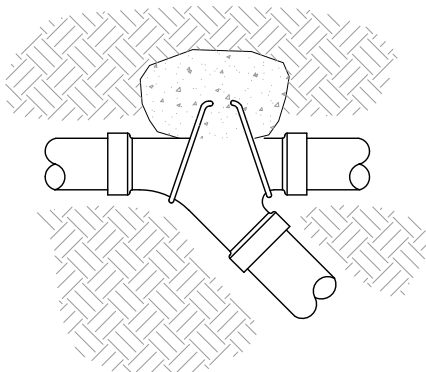


45° ELL

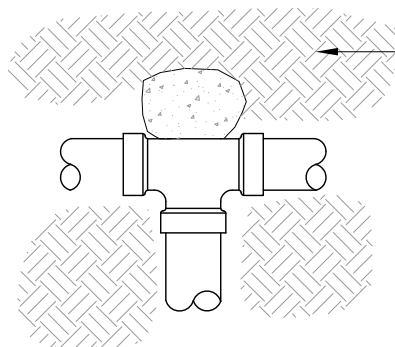


45° ELL

ANCHOR ROD (TYP.)



WYE



TEE

UNDISTURBED SOIL
(TYP.)

NOTES:

1. PLASTIC PIPE SHALL BE INSTALLED ACCORDING TO THESE DETAILS, UNLESS OTHERWISE NOTED ON THE PLANS.
2. SUPPLY LINES 50mm OR LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS.
3. ALL ANCHOR RODS SHALL BE GALVANIZED STEEL, MIN. 12mm Ø.
4. SIZE OF THRUST BLOCK: 50mm-75mm PIPE = 4 CU. FT., 100mm PIPE = 5 CU. FT., 150mm PIPE = 6 CU. FT.
5. WRAP ALL EPOXY COATED FITTING W/ 6 MIL PLASTIC PRIOR TO POURING THRUST BLOCK.
6. ALL THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.



DRAWING
THRUST BLOCKS

DATE
JUNE-2022

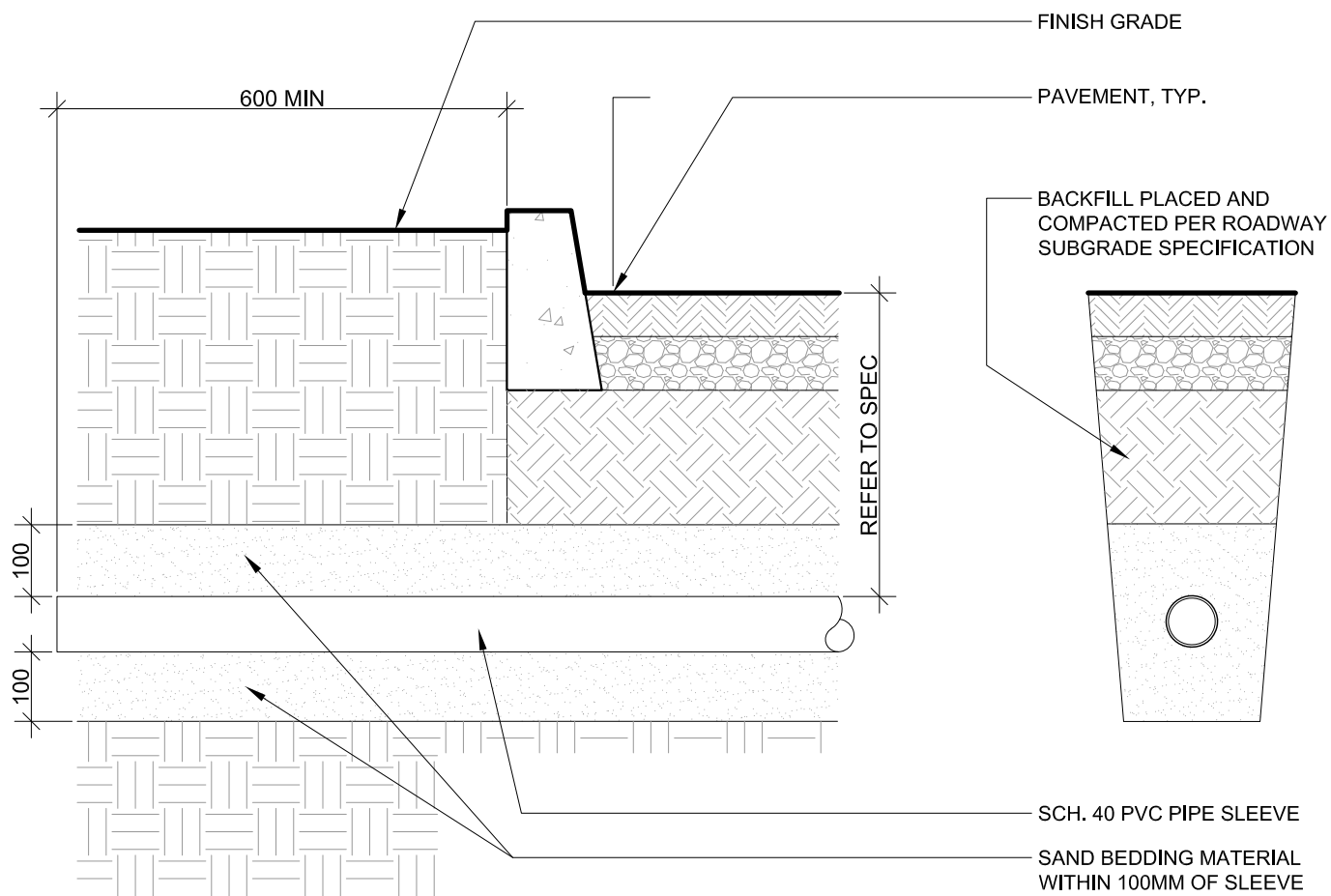
REV

SCALE
1:5

NOTES

SHEET

9-07



NOTE:

1. DIAMETER OF SLEEVE PIPE TO BE 25mm LARGER THAN DIAMETER OF IRRIGATION PIPE. IF SLEEVING MULTIPLE PIPES, SLEEVE DIAMETER TO BE 25mm LARGER THAN THE COMBINED TOTAL OF ALL PIPES.



DRAWING
SLEEVE AT STREET OR
PARKING

DATE
JUNE-2022

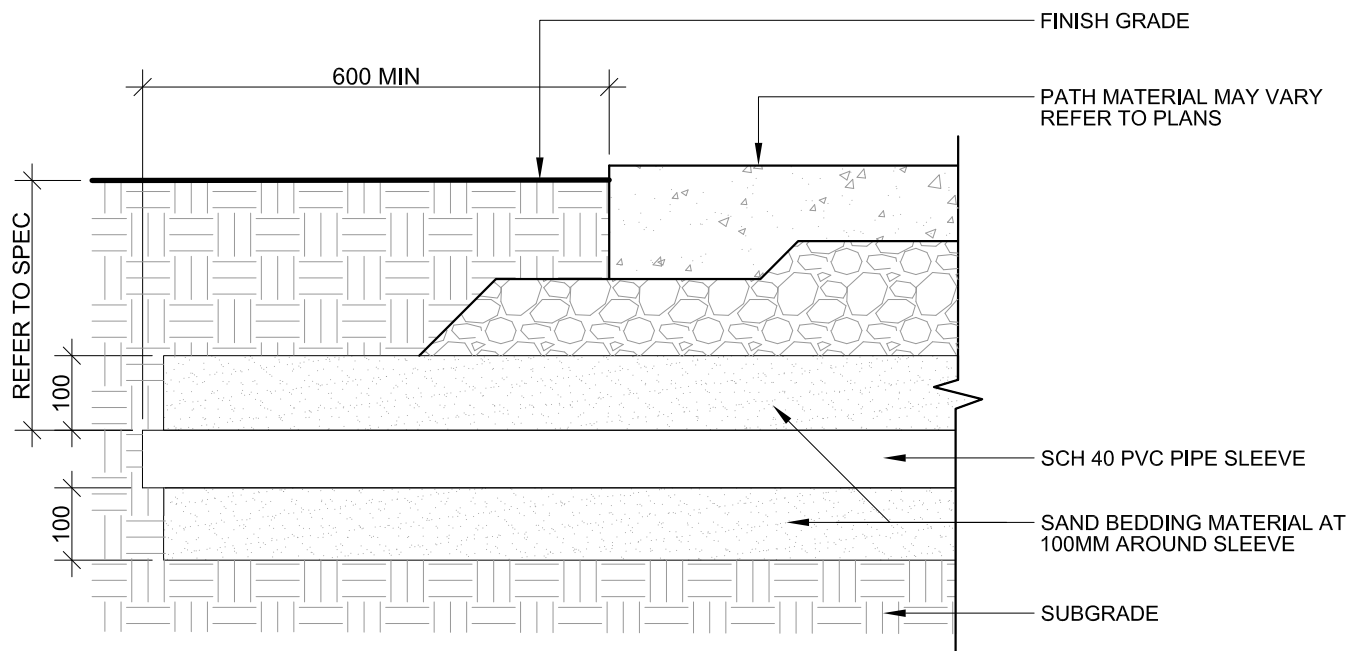
REV

SCALE
1:10

NOTES

SHEET

9-08



NOTE:

1. DIAMETER OF SLEEVE PIPE TO BE 2X LARGER THAN DIAMETER OF IRRIGATION PIPE.
2. IF SLEEVING MULTIPLE PIPES, SLEEVE DIAMETER TO BE 25mm LARGER THAN THE COMBINED TOTAL OF ALL PIPES.
3. WIRES TO BE LOCATED IN SEPARATE CONDUIT
4. PVC SLEEVING IS ACCEPTABLE, EXCEPT IN VEHICULAR PATHWAYS



DRAWING
SLEEVE AT PATH

DATE
JUNE-2022

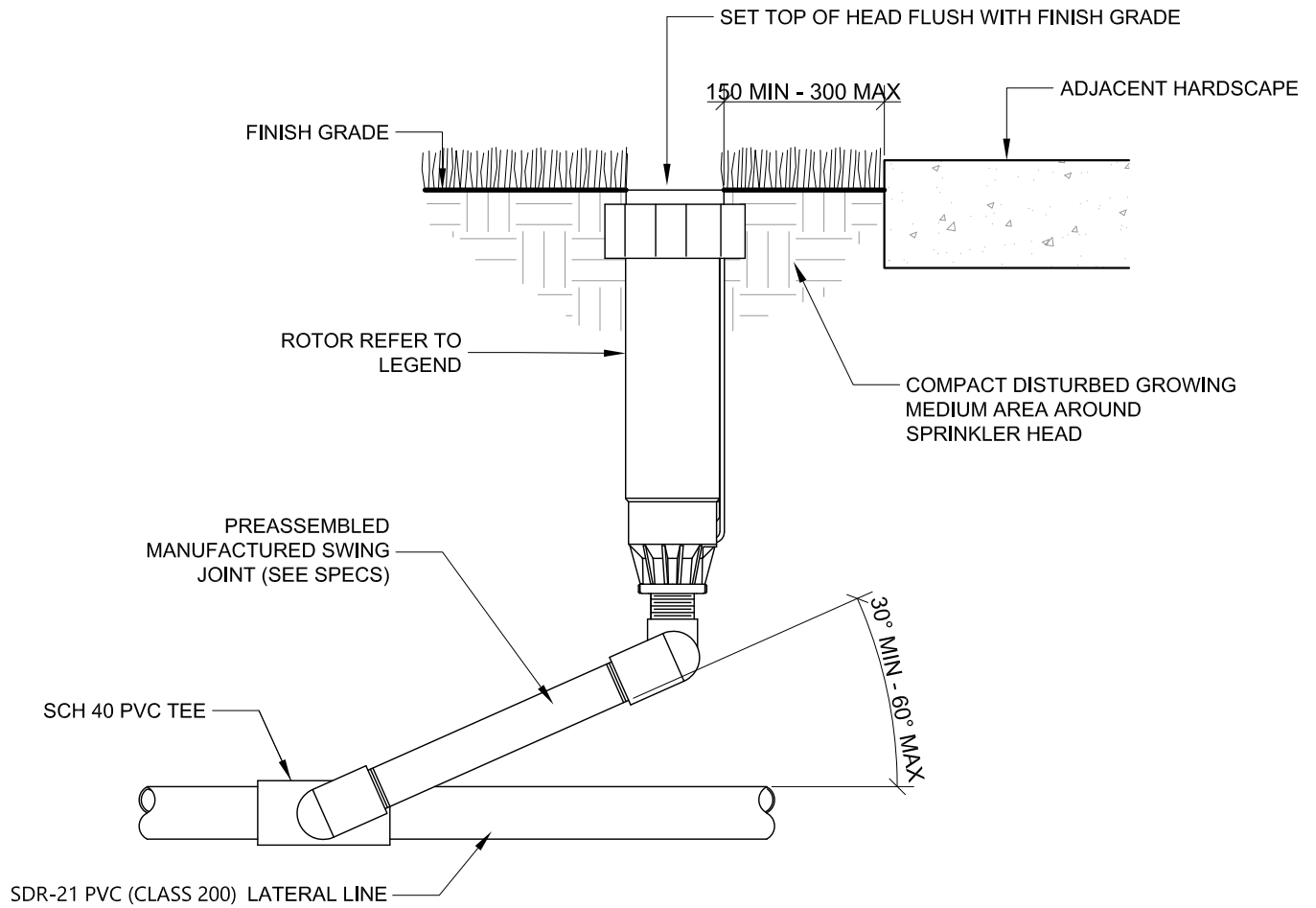
REV

SCALE
1:10

NOTES
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SHEET

9-09



NOTE: STREET ELBOW SIZE TO INLET OF SPRAY HEAD



DRAWING
ROTOR SPRAY HEAD

DATE
JUNE-2022

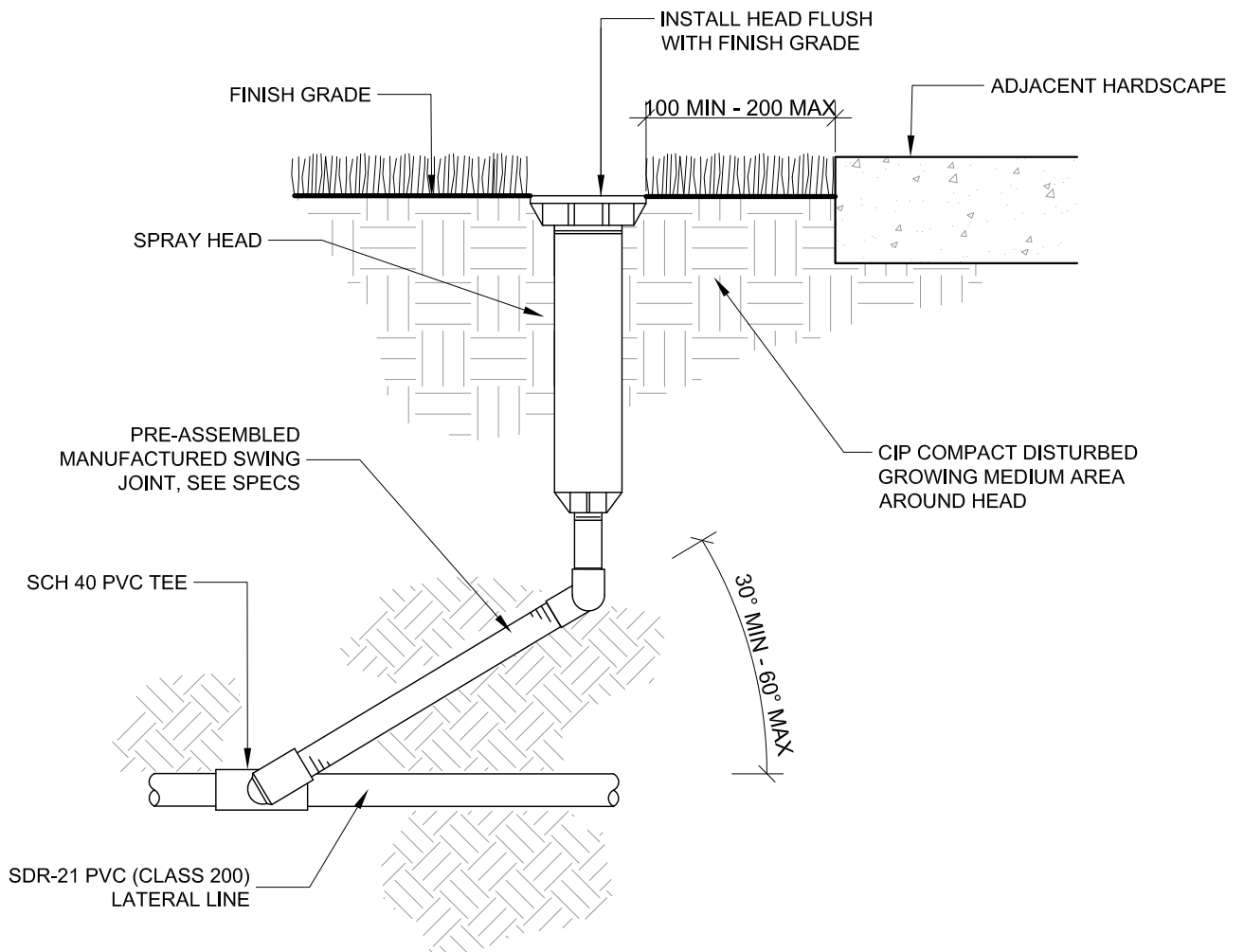
REV

SCALE
1:10

NOTES

SHEET

9-10



NOTE: STREET ELBOW SIZE TO INLET OF SPRAY HEAD



DRAWING
POP-UP SPRAY HEAD

DATE
JUNE-2022

REV

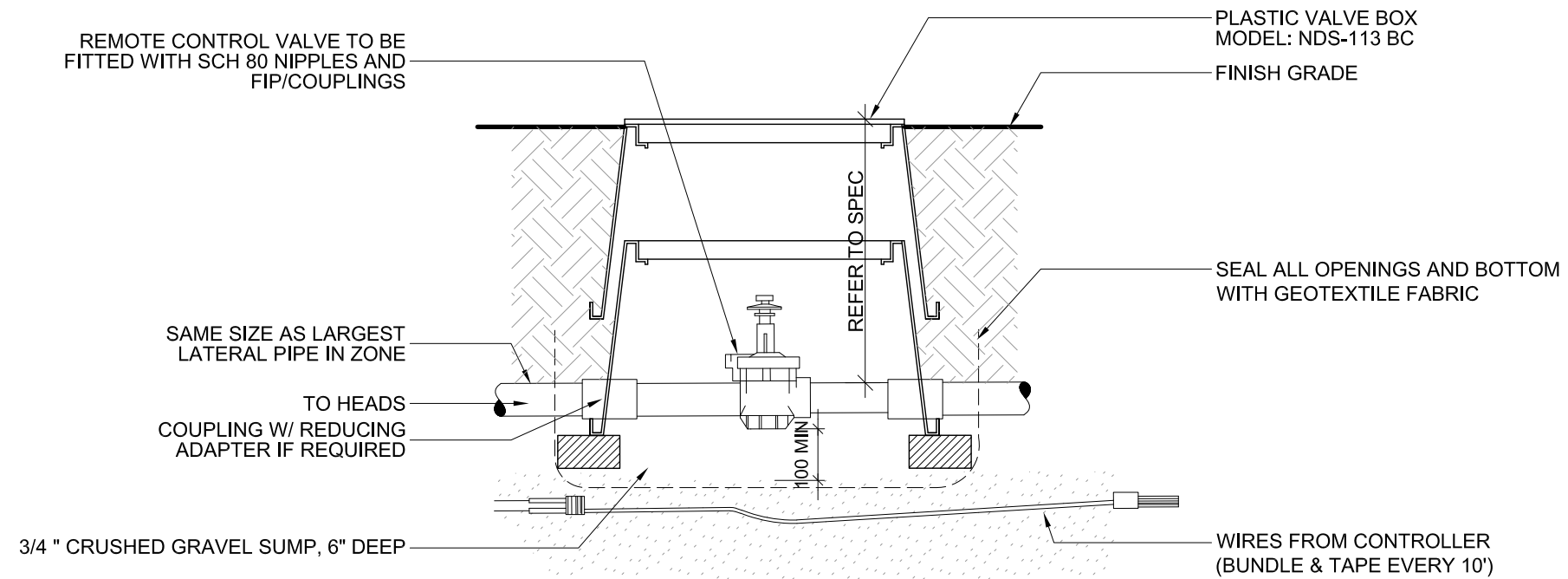
SCALE
1:10

NOTES

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SHEET

9-11



NOTES:

1. ALL WIRE TO BE INSTALLED & SUPPLIED PER LOCAL CODE.
2. PROVIDE EXPANSION COIL AT EACH CONNECTION IN VALVE BOX (COIL WIRE AROUND 1/2" PIPE 10 TIMES).
3. VALE WILL BE SIZED ACCORDING TO FLOW REQUIRED.

DATE
JUNE-2022

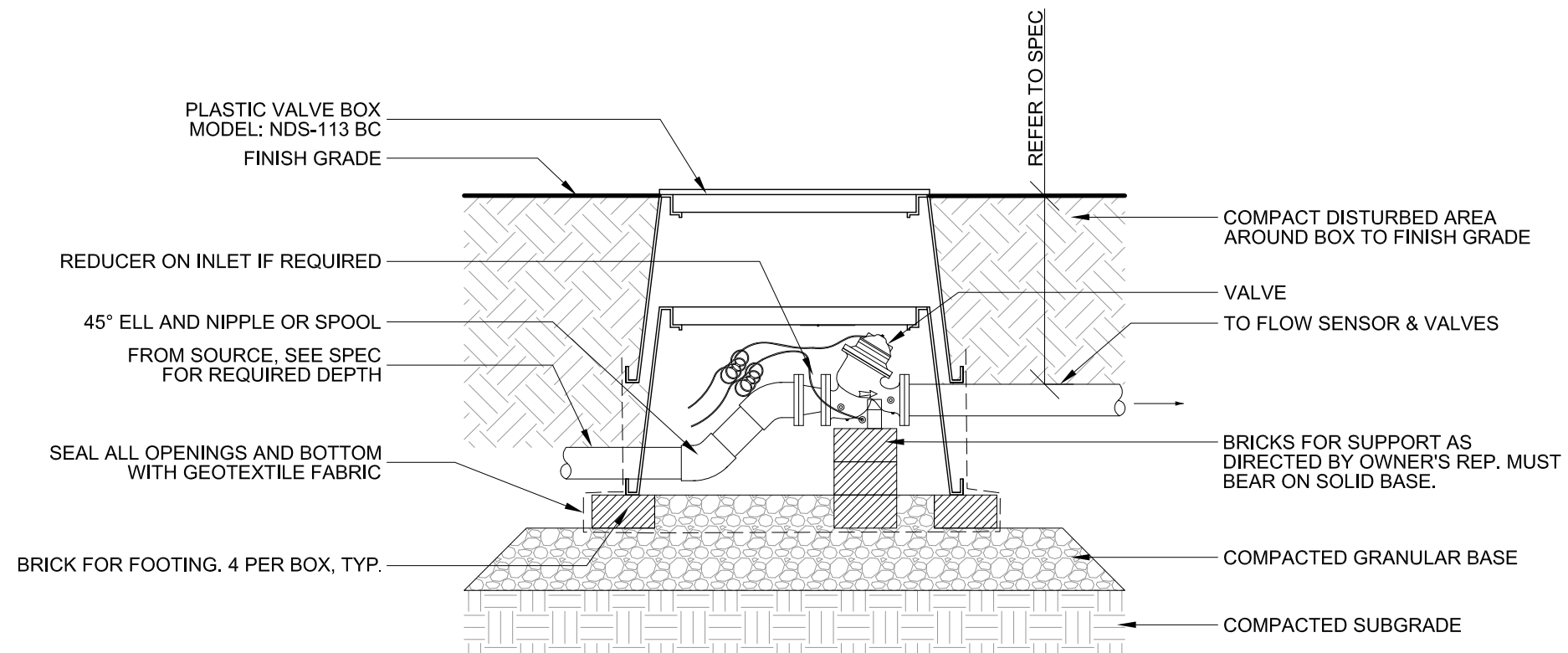
REV

SCALE
1:10

DRAWING
REMOTE CONTROL
VALVE ASSEMBLY

SHEET

9-12



NOTES:

1. SEE PLAN & SPECIFICATIONS FOR OPTIONS REQUIRED ON VALVE APPLICATIONS (SUCH AS, N.O./N.C./PRESS. REG., LOW WATT SOLENOIDS)
2. FOR VALVES 3" AND LARGER USE FLANGED MASTER VALVE IRON FITTINGS INCLUDING 45° ELLS AND REDUCERS. FOR VALVES 2 1/2" AND SMALLER USE THREADED MASTER VALVE AND SCH. 80 PVC FITTINGS. 45° ELLS TO BE SxS.

DATE
JUNE-2022

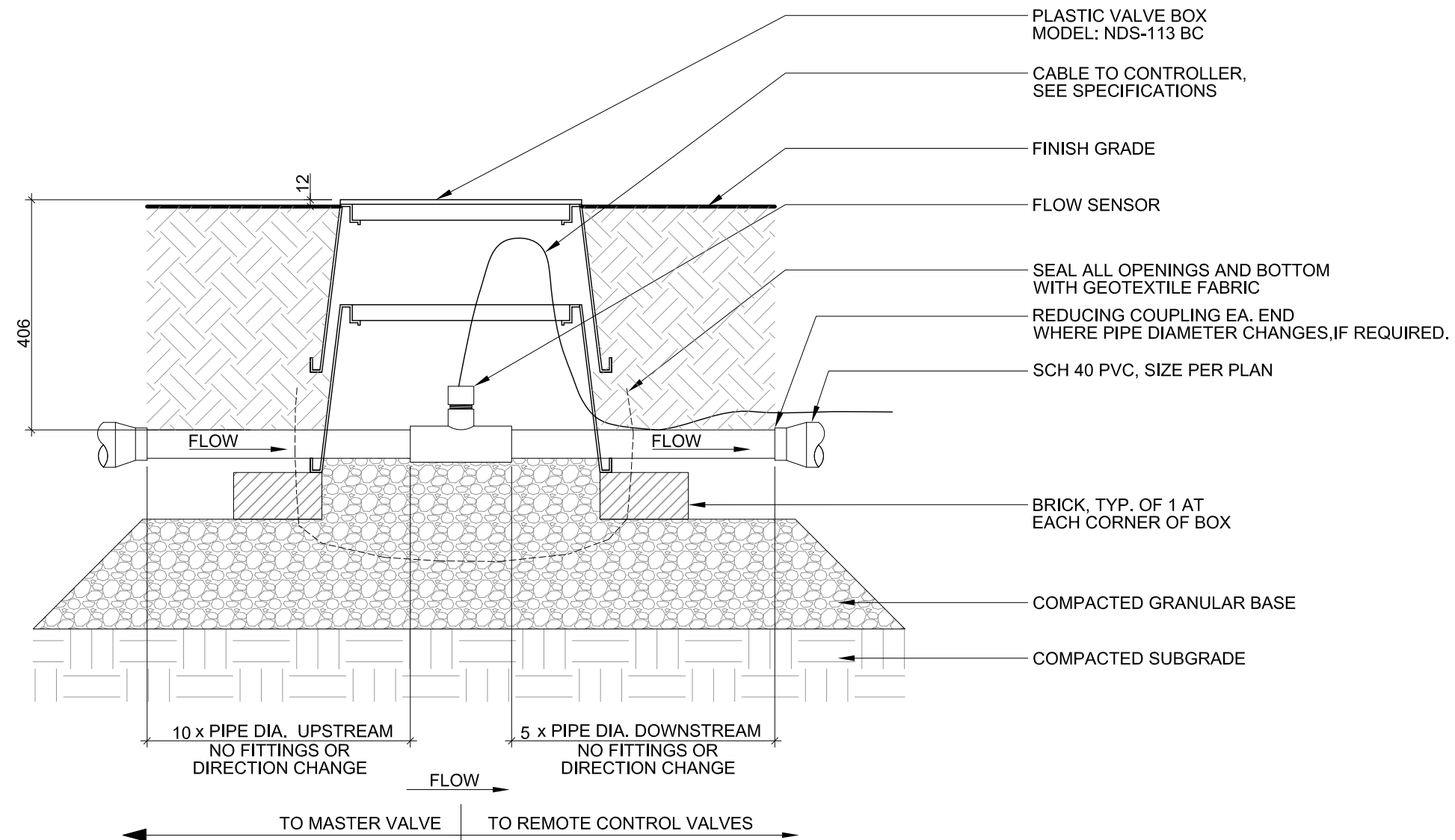
REV

SCALE
1:20

DRAWING
MASTER VALVE
ASSEMBLY

SHEET

9-13



NOTE:

STREET ELBOW SIZE TO INLET OF SPRAY HEAD

DATE
JUNE-2022

REV

SCALE
1:10

DRAWING
FLOW SENSORY
ASSEMBLY

SHEET

9-14