SCOPE OF WORK

IN GENERAL THE SCOPE OF WORK INCLUDES THE REPLACEMENT OF EXISTING SPRINKLER HEADS, SELECTED SPRINKLER PIPING, AND VARIOUS IRRIGATION VALVES WITH RELATED COMPONENTS. DEFINED TURF AREAS SHALL BE ROTO-TILLED, FINE GRADED, AND HYDRO-SEEDED WITH NEW GRASS SEED.

APPLICABLE CODES & STANDARDS

PART 1 - 2026 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE. TITLE 24 C.C.R.

PART 2 - 2026 CALIFORNIA BUILDING CODE - TITLE 24 C.C.R.

DEVELOPMENT CONSTRUCTION PROGRAM:

THE CONTRACTOR SHALL IMPLEMENT A CONSTRUCTION PROGRAM THAT PREVENTS ILLICIT CONSTRUCTION RELATED DISCHARGES OF POLLUTANTS INTO THE MS4, IMPLEMENTS AND MAINTAINS STRUCTURAL AND NON-STRUCTURAL BMPS TO REDUCE POLLUTANTS IN STORM WATER RUNOFF FROM THE CONSTRUCTION SITE, REDUCE CONSTRUCTION SITE DISCHARGES OF POLLUTANTS FROM THE MS4 TO THE MAXIMUM EXTENT PRACTICAL (MEP) AND PREVENTS CONSTRUCTION SITE DISCHARGES FROM THE MS4 FROM CAUSING OR CONTRIBUTING TO A VIOLATION OF WATER QUALITY STANDARDS.

ABBREVIATIONS

CONC.	CONCRETE
C.A.B	CRUSHED AGGREGATE BASE
C/C	CENTER TO CENTER
CONT.	CONTINUOUS
C.L.	CHAIN LINK
C.O.	CLEAN OUT
D.G.	DECOMPOSED GRANITE
DIA.	DIAMETER
E.G.	EXISTING GRADE
E.J.	EXPANSION JOINT
(E)	EXISTING
FIN.	FINISH
FG	FINISH GRADE
FS	FINISH SURFACE
GRD.	GRADE
H.P.	HIGH POINT
INV	INVERT ELEVATION
IRR	IRRIGATION
MAX	MAXIMUM
M.P.R.	MULTI PURPOSE ROOM
(N)	NEW
NTE	NOT TO EXCEED
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
R.	RADIUS
STL.	STEEL
TC	TOP OF CURB
TG	TOP OF GRATE
TW	TREE WELL
T&B	TOP AND BOTTOM

SYMBOLS

DETAIL CALL-OUT

4 / L2.1 — 4 = DETAIL NUMBER; L2.1 = SHEET NUMBER

1 — KEY NOTES W/ DESCRIPTION OF WORK AND DETAIL REFERENCE

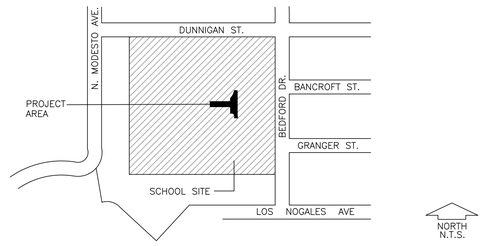
PLEASANT VALLEY SCHOOL DISTRICT

600 TEMPLE AVENUE
CAMARILLO, CA 93010

UNIVERSITY PREPARATION CHARTER SCHOOL AT CSUCI

LANDSCAPE IMPROVEMENTS
1099 BEDFORD DR.
CAMARILLO, CA 93010

VICINITY MAP



SCHEDULE OF DRAWINGS

SHEET NO.	SHEET REFERENCE	SHEET TITLE
1	L1.1	COVER SHEET
2	L2.1	IRRIGATION PLAN
3	L2.2	IRRIGATION PLAN
4	L2.3	IRRIGATION PLAN
5	L3.1	PLANTING PLAN
6	L3.2	PLANTING PLAN
7	L4.1	LANDSCAPE DETAILS

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

Jordan & Bain Landscape Architects, Inc. © 2018

REGISTERED LANDSCAPE ARCHITECT JOHN JAMES BAIN #3765 SIGNATURE 04-26 RENEWAL DATE STATE OF CALIFORNIA

UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG
CALL : TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DATE	BY	DESCRIPTION

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

SHEET TITLE
COVER SHEET

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCAPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

DRAWN: J. BAIN
CHECKED: J. BAIN

PRINTED FOR:
PLAN CHECK 02-15-26
BID 02-15-26
CONSTRUCTION 02-15-26

DRAWING
L1.1

SHEET 1 OF 7
PROJECT No. 25.41

THESE DRAWINGS, SPECIFICATIONS AND DESIGNS ARE INSTRUMENTS OF PROFESSIONAL SERVICES AND AS SUCH ARE THE PROPERTY OF JORDAN & BAIN LANDSCAPE ARCHITECTS, INC. REPRODUCTION OR OTHER USE NOT AUTHORIZED BY JORDAN & BAIN IS PROHIBITED WITHOUT WRITTEN APPROVAL

DUNNIGAN STREET

EXISTING CHAIN LINK FENCE

KEEP IRRIGATION HEADS 2'-0" FROM EDGE OF SAND PLAY AREA BLOCK WALL. (TYPICAL)

51.25' O.C. | 51.25' O.C. | 51.25' O.C. | 51.25' O.C.

(E) 1-48 STATION AUTO CONTROLLER 'K' INSTALLED IN A STAINLESS STEEL SECURITY ENCLOSURE. PROTECT IN PLACE.

UTILITY BLDG. D-MARK

PUMP

(E) IRRIGATION BOOSTER PUMP PROTECT IN PLACE.

SEE SHEET L2.3 FOR DRIP IRRIGATION LEGEND FOR DESCRIPTION OF DOTTED SYMBOL.

SYMBOL DENOTES RAINMASTER FLOW SENSOR CABLE. INSTALL IN A 3/4" SCH. 40 PVC ELECTRICAL CONDUIT.

EXISTING CONCRETE WIRE PULL BOX

PLAY EQUIPMENT

EXISTING 2" PVC CONDUIT FOR IRRIGATION WIRES

EXISTING CONCRETE WIRE PULL BOX

ONE (E) EXTRA RED 14-GAUGE CONTROL WIRE BUNDLED IN VALVE BOX K-20.

79 ROTOR K-20 2" | 79 ROTOR K-19 2" | 79 ROTOR K-18 2" | 74 ROTOR K-21 2"

QUICK COUPLER | GATE VALVE

150'-0"

COVERED OUTDOOR EATING AREA

EXISTING A/C PAVING

CLASSROOMS | EXISTING COURTYARDS | CLASSROOMS | EXISTING A/C PAVING | CLASSROOMS | EXISTING COURTYARDS | CLASSROOMS | EXISTING COURTYARDS | CLASSROOMS

K-16 1-1/2" 40 ROTOR | K-17 2" 80 ROTOR

GATE VALVE | QUICK COUPLER | K-5 1-1/2" 45 SPRAY | K-6 1-1/2" CAP

PLAY EQUIPMENT

5,920 SQ. FT. REPLACE DRIP ON RCV 'K-7'

K-7 1" (1-1/2") GARDEN DRIP

1,445 SQ. FT. REPLACE DRIP ON RCV 'K-9'

RCV 'K-2' (19) HEADS

(E) CONCRETE P.I.P.

K-2 1" 7 SPRAY | K-3 1" 14 ROTOR | K-4 1-1/2" (1-1/4") 23 ROTOR

EXISTING PORTABLE WATER METER AND BACKFLOW DEVICE - PROTECT IN PLACE

PULL ONE EXTRA 14-GAUGE CONTROL WIRE AND NEATLY BUNDLE IN VALVE BOX K-3.

K-8 1-1/2" CAP | 1,530 SQ. FT. REPLACE DRIP ON RCV 'K-9' | OFFICE | K-9 1" (1-1/2") 3 DRIP

1,350 SQ. FT. REPLACE DRIP ON RCV 'K-10'

K-10 1" (1-1/2") 3 DRIP | LIBRARY | K-11 1" 4 SPRAY | RCV 'K-11' (9) HEADS

2.6 DRIP NEW K-32 1"

(E) 18" WIDE CONCRETE STRIP ALONG BASE OF BUILDING WALL

(E) HOSE BIBB @ PLANTER

10'X3' | 44'X3'

(E) DRIP IRRIGATION - R.C.V. 'K-32' - PROTECT IN PLACE

PROTECT IN PLACE RECENTLY INSTALL PVC BALL VALVE AND QUICK COUPLER

1,710 SQ. FT. REPLACE DRIP ON RCV 'K-10'

350 SQ. FT. ADD ONTO (E) RCV 'K-10'

K-12 1" 17 ROTOR | K-13 1-1/2" 31 ROTOR | K-14 1" 11 SPRAY

320 SQ. FT. (TOTAL) INSTALL NEW DRIP ON RCV 'K-14'

MULTI PURPOSE ROOM

K-15 1" (1-1/2") 2.5 DRIP

1,240 SQ. FT. REPLACE DRIP ON RCV 'K-15'

(E) EXTRA 14-GAUGE CONTROL WIRE BUNDLED IN VALVE BOX K-15 WAS USED TO INSTALL DRIP REMOTE CONTROL VALVE K-32.

(E) CAP ON 2-1/2" PVC MAINLINE FOR FUTURE USE.

REPAIR HEADS @ SIDEWALK

RCV 'K-1' (69) HEADS | K-1 1-1/2" 38 SPRAY

EXISTING PARKING

BEDFORD STREET

EXISTING CHAIN LINK FENCE

66 ROTOR K-25 2" | 66 ROTOR K-24 2" | 66 ROTOR K-23 2" | 71 ROTOR K-26 2"

GATE VALVE | QUICK COUPLER

ONE (E) EXTRA 14-GAUGE

LUNCH BUILDING

CONNECT TO (E) PART CIRCLE ROTOR LATERAL

MODULAR BUILDING | MODULAR BUILDING | MODULAR BUILDING

MATCHLINE
SEE SHEET L2.2

NOTES:

1. SEE SHEET L2.2 FOR DRIP IRRIGATION LEGEND AND NOTES.
2. SEE SHEET L2.3 FOR IRRIGATION LEGEND AND NOTES.

GRAPHIC SCALE

0 10 20 60
5 15 40

SCALE: 1"=20'

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

Jordan & Bain Landscape Architects, Inc. © 2018

Pleasant Valley School District

UNDERGROUND SERVICE ALERT
CALL : TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REGISTERED LANDSCAPE ARCHITECT JOHN DAVIES BAIN 4743 RENEWAL DATE 08-31-26 STATE OF CALIFORNIA

REVISIONS

NO.	DATE	BY	DESCRIPTION

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

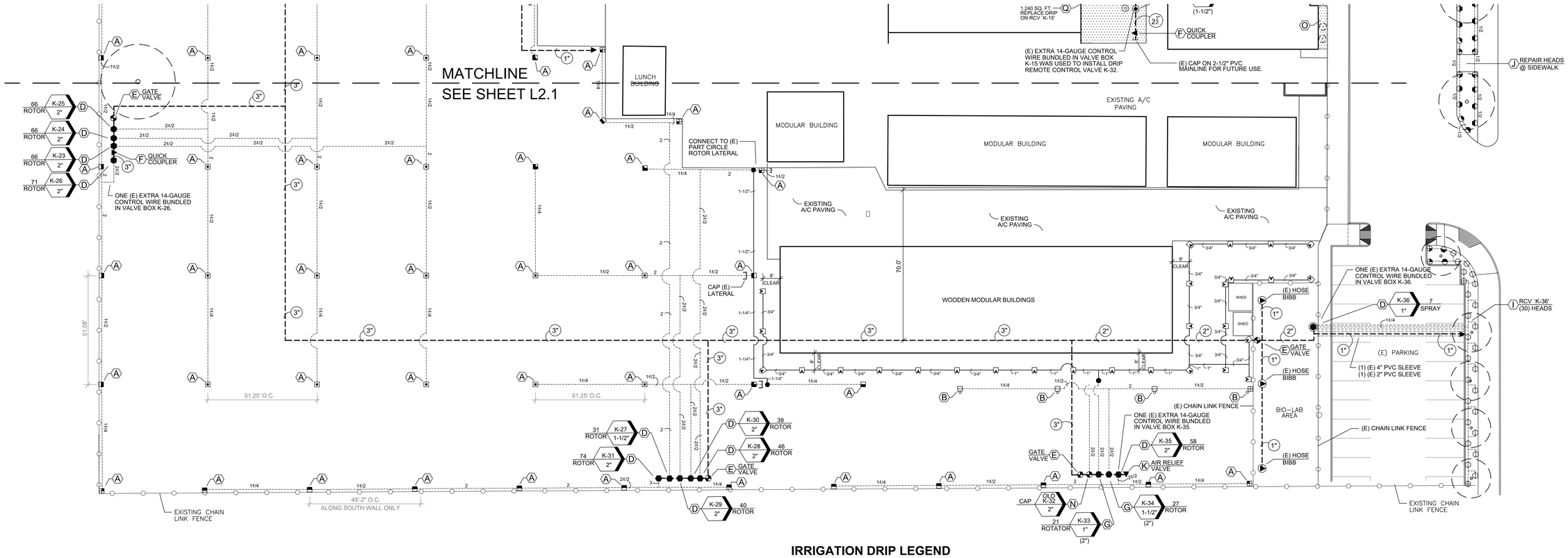
SHEET TITLE
IRRIGATION PLAN

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCAPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

DRAWN:	J. BAIN
CHECKED:	J. BAIN
PRINTED FOR:	
PLAN CHECK	02-15-26
BID	02-15-26
CONSTRUCTION	02-15-26

DRAWING
L2.1

SHEET 2 OF 7
PROJECT No. 25.41



IRRIGATION DRIP LEGEND

SYMBOL	DESCRIPTION
	SYMBOL DENOTES EXISTING DRIP IRRIGATION AREAS THAT WILL REQUIRE NEW 1/2" POLYETHYLENE DRIP TUBING SECURED TO FINISH GRADE WITH GPH IRRIGATION 'TOUGH AS NAILS' DRIP TUBING STAKES SPACED 5'-0" O.C. NEW 5-GALLON SHRUBS SPACED OUT BY P.V.S.D. REPRESENTATIVE AS WELL AS SELECTED EXISTING SHRUBS THAT WILL REMAIN INCLUDING EXISTING PLANTS WITHIN SCHOOL GARDEN AREA SHALL BE FURNISHED WITH NEW 2 GALLON PER HOUR DRIP EMITTERS. ALL NEW 5-GALLON SHRUBS AND EXISTING SHRUBS TO REMAIN SHALL RECEIVE (2) DRIP EACH PLANT. THE SCHOOL GARDEN AREA PLANTS WILL RECEIVE EITHER (1) OR (2) DRIP EMITTERS BASED ON SIZE AND TYPE OF PLANT. CONTRACTOR AND P.V.S.D. REPRESENTATIVE SHALL FIELD VERIFY EMITTER LAYOUT AND EMITTER QUANTITY FOR PLANTS IN THE GARDEN AREA IN THE FIELD. NOTE: INSTALL A ¾" SCH. 40 PVC BALL VALVE IN A 10" ROUND VALVE BOX TO USE AS A SHUT OFF VALVE FOR EACH SHRUB PLANTER DRIP IRRIGATION SYSTEM. ONCE THE PVSD REPRESENTATIVE HAS SPOTTED THE (65) 5 GALLON SHRUBS IN ALL PLANTING AREAS IDENTIFIED ON THE PLANS, INSTALL ¾" POLYETHYLENE DRIP TUBING SECURED TO FINISH GRADE USING GPH 'TOUGH AS NAILS' TUBING STAKES. LAYOUT TUBING SO THAT THE TUBING EXTENDS OVER THE SHRUB ROOT BALLS. INSTALL (2) 2 GPH RAIN BIRD BARBED DRIP EMITTERS FOR EACH NEW SHRUB PLANTED SPACED ON OPPOSITE SIDES OF THE PLANT ROOT BALL. EXACT TUBING LAYOUT WILL BE DETERMINED IN THE FIELD BY THE CONTRACTOR BASED ON THE APPROVED SHRUB LAYOUT.</td></tr></table>

NOTE:
SEE SHEET L2.3 FOR IRRIGATION LEGEND AND NOTES.

GRAPHIC SCALE
0 10 20 60
5 15 40
SCALE: 1"=20'

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874
Jordan & Bain Landscape Architects, Inc. © 2018

UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG
CALL : TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REGISTERED LANDSCAPE ARCHITECT JOHN DAVID BAIN 4343 04-30 RENEWAL DATE 10-10-26 STATE OF CALIFORNIA

REVISIONS
NO. DATE BY DESCRIPTION

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

SHEET TITLE
IRRIGATION PLAN

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCAPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

DRAWN: J. BAIN
CHECKED: J. BAIN
PRINTED FOR:
PLAN CHECK 02-15-26
BID 02-15-26
CONSTRUCTION 02-15-26

DRAWING
L2.2
SHEET 3 OF 7
PROJECT No. 25.41

PROJECT KEY NOTES

SYMBOL — DESCRIPTION

A REMOVE EXISTING I-40 TURF ROTOR WITH SWING JOINT TO LATERAL FITTING - REPLACE WITH NEW I-40 ROTOR ASSEMBLY:
FIELD VERIFY THE EXACT LOCATION OF EXISTING HUNTER I-40 4" POP UP TURF ROTOR IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING TURF ROTOR INCLUDING THE EXISTING 1" PVC SWING JOINT ASSEMBLY TO THE EXISTING SCH. 40 PVC THREADED FITTING ON THE LATERAL PIPE. REMOVE AND DISPOSE OF THE EXISTING HUNTER 4" I-40 TURF ROTOR BODY AND COMPLETE 1" SWING JOINT ASSEMBLY TO EXISTING SCH. 40 PVC THREADED LATERAL FITTING. REPLACE WITH (1) 1" SCH. 40 PVC STREET ELBOW THREADED INTO EXISTING LATERAL FITTING, (1) 1" X 12" LONG SCH. 80 PVC NIPPLE, AND (2) 1" MARLEX STREET ELBOWS. THREAD (1) 1" MARLEX ELBOW ONTO THE SCH. 80 PVC NIPPLE AND THE OTHER THREADED INTO THE FIRST STREET ELBOW. THREAD THE OPEN MARLEX ELBOW INTO THE BASE OF THE 1" INLET OF THE HUNTER I-40 6" POP UP TURF ROTOR BODY. INSTALL SPECIFIED NOZZLE AND ADJUST HEIGHT OF POP UP TURF ROTOR TO BE INSTALLED ½" ABOVE EXISTING FINISH GRADE. COMPACT SOIL AROUND SWING JOINT ASSEMBLY AND NEW TURF ROTOR POP UP BODY TO ENSURE THAT THE SOIL WILL NOT SETTLE AND TO KEEP THE POP UP RISER PERPENDICULAR TO FINISH GRADE.

B REMOVE EXISTING I-25 TURF ROTOR WITH SWING JOINT TO LATERAL FITTING - REPLACE WITH NEW I-25 ROTOR ASSEMBLY:
FIELD VERIFY THE EXACT LOCATION OF EXISTING HUNTER I-25 4" POP UP TURF ROTOR IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING TURF ROTOR INCLUDING THE EXISTING 1" PVC SWING JOINT ASSEMBLY TO THE EXISTING SCH. 40 PVC THREADED FITTING ON THE LATERAL PIPE. REMOVE AND DISPOSE OF THE EXISTING HUNTER 4" I-25 TURF ROTOR BODY AND COMPLETE 1" SWING JOINT ASSEMBLY TO EXISTING SCH. 40 PVC THREADED LATERAL FITTING. REPLACE WITH (1) 1" SCH. 40 PVC STREET ELBOW THREADED INTO EXISTING LATERAL FITTING, (1) 1" X 12" LONG SCH. 80 PVC NIPPLE, AND (2) 1" MARLEX STREET ELBOWS. THREAD (1) 1" MARLEX ELBOW ONTO THE SCH. 80 PVC NIPPLE AND THE OTHER THREADED INTO THE FIRST STREET ELBOW. THREAD THE OPEN MARLEX ELBOW INTO THE BASE OF THE 1" INLET OF THE HUNTER I-25 6" POP UP TURF ROTOR BODY. INSTALL SPECIFIED NOZZLE AND ADJUST HEIGHT OF POP UP TURF ROTOR TO BE INSTALLED ½" ABOVE EXISTING FINISH GRADE. COMPACT SOIL AROUND SWING JOINT ASSEMBLY AND NEW TURF ROTOR POP UP BODY TO ENSURE THAT THE SOIL WILL NOT SETTLE AND TO KEEP THE POP UP RISER PERPENDICULAR TO FINISH GRADE.

C REMOVE EXISTING PJP ROTOR WITH SWING JOINT TO LATERAL FITTING - REPLACE WITH NEW I-20 ROTOR ASSEMBLY:
FIELD VERIFY THE EXACT LOCATION OF EXISTING HUNTER I-20 4" POP UP TURF ROTOR IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING TURF ROTOR INCLUDING THE EXISTING ¾" PVC SWING JOINT ASSEMBLY TO THE EXISTING SCH. 40 PVC THREADED FITTING ON THE LATERAL PIPE. REMOVE AND DISPOSE OF THE EXISTING HUNTER 4" I-20 TURF ROTOR BODY AND COMPLETE ¾" SWING JOINT ASSEMBLY TO EXISTING SCH. 40 PVC THREADED LATERAL FITTING. REPLACE WITH (1) ¾"x" SCH. 40 PVC STREET ELBOW INTO EXISTING LATERAL FITTING, (1) ¾" X 12" LONG SCH. 80 PVC NIPPLE, AND (2) ¾" MARLEX STREET ELBOWS THREAD (1) ¾" MARLEX ELBOW ONTO THE END OF THE SCH. 80 PVC NIPPLE AND THE OTHER ¾" MARLEX ELBOW THREAD INTO THE FIRST ¾" STREET ELBOW. THREAD OPEN ELBOW INTO THE BASE OF THE ¾"" INLET OF THE HUNTER I-20 6" POP UP TURF ROTOR BODY. INSTALL SPECIFIED NOZZLE AND ADJUST HEIGHT OF POP UP TURF ROTOR TO BE INSTALLED ½" ABOVE EXISTING FINISH GRADE. COMPACT SOIL AROUND SWING JOINT ASSEMBLY AND NEW TURF ROTOR POP UP BODY TO ENSURE THAT THE SOIL WILL NOT SETTLE AND TO KEEP THE POP UP RISER PERPENDICULAR TO FINISH GRADE.

D IRRIGATION POINT OF CONNECTION 'D' - REPLACE EX. REMOTE CONTROL VALVE WITH SAME SIZE NEW VALVE ASSEMBLY:
LOCATE EXISTING REMOTE CONTROL VALVE IN A PLASTIC VALVE BOX IN LANDSCAPE PLANTER. EXCAVATE AROUND EXISTING REMOTE CONTROL VALVE AND VALVE BOX. REMOVE AND DISPOSE OF EXISTING VALVE BOX. REMOVE EXISTING REMOTE CONTROL VALVE WITH ALL EXISTING FITTINGS AND NIPPLES TO EXISTING MAINLINE. INSTALL NEW FITTINGS, NIPPLES, AND ALL COMPONENTS AS IDENTIFIED IN REMOTE CONTROL VALVE DETAIL TO REPLACE EXISTING VALVE WITH A NEW WEATHERMATIC 11024 SERIES REMOTE CONTROL VALVE. INSTALL NEW 3M WIRE CONNECTORS AND CONNECT EXISTING 14 GAUGE WIRES TO NEW REMOTE CONTROL VALVE SOLENOID. INSTALL NEW CLASS 200 PVC LATERAL SEGMENT TO RECONNECT TO EXISTING PVC LATERAL PIPING. REPLACE ALL EXISTING SPRINKLER HEADS AS PER PLAN. INSTALL NEW PLASTIC RECTANGULAR VALVE BOX WITH HEAT STAMPED STATION NUMBER ON VALVE BOX LID. INSTALL A NEW STANDARD YELLOW CHRISTY ID TAG ON VALVE SOLENOID. CONFIRM WITH P.V.S.D. REPRESENTATIVE THE EXACT VALVE STATION NUMBER DESIRED FOR EACH REMOTE CONTROL VALVE PRIOR TO PURCHASING CHRISTY ID TAGS AND HEAT STAMPING VALVE BOX LID.

E IRRIGATION POINT OF CONNECTION 'D' - REMOVE GATE VALVE AND REPLACE WITH NEW LINE DUCTILE IRON FLANGED GATE VALVE:
FIELD VERIFY THE EXACT LOCATION OF THE EXISTING BRASS GATE VALVE ATTACHED TO THE EXISTING IRRIGATION MAINLINE. REMOVE AND DISPOSE OF THE EXISTING VALVE BOX. EXCAVATE AND EXPOSE THE EXISTING GATE VALVE AND SURROUNDING PVC IRRIGATION MAINLINE. CUT PVC MAINLINE AND REMOVE THE EXISTING GATE VALVE. INSTALL A NEW LINE SIZE DUCTILE IRON FLANGED GATE VALVE TO REPLACE TO OLD BRASS GATE VALVE. INSTALL NEW LINE SIZE SCH. 80 PVC VANSTONE FLANGES, SCH. 80 PVC FITTINGS AS REQUIRED TO RECONNECT EXISTING MAINLINE TO NEW DUCTILE IRON FLANGED GATE VALVE AS PER GATE VALVE DETAIL. INSTALL A NEW STANDARD RECTANGULAR GREEN VALVE BOX WITH VALVE BOX EXTENSION OVER CENTER OF GATE VALVE TO PREVENT SOIL FROM COVERING GATE VALVE BODY AND OPERATING NUT.

F IRRIGATION POINT OF CONNECTION 'D' - REMOVE QUICK COUPLER VALVE ASSEMBLY AND REPLACE WITH NEW QUICK COUPLER:
FIELD VERIFY THE EXACT LOCATION OF THE EXISTING 1" BRASS QUICK COUPLER IN THE FIELD. REMOVE AND DISPOSE OF EXISTING VALVE BOX. EXCAVATE AND EXPOSE THE ENTIRE EXISTING 1" QUICK COUPLER ASSEMBLY TO MAINLINE FITTING. REPLACE WITH NEW 1" BRASS NIPPLES AND FITTINGS AS PER QUICK COUPLER DETAIL ON IRRIGATION PLANS. INSTALL NEW 10" ROUND GREEN VALVE BOX OVER CENTER OF NEW 1" QUICK COUPLER ASSEMBLY. SECURE QUICK COUPLER IN PLACE WITH REBAR STAKE AND SECURE TO QUICK COUPLER WITH (2) STAINLESS STEEL CLAMPS AS PER IRRIGATION DETAIL. HEAT STAMP TOP OF QUICK COUPLER VALVE BOX LID WITH LETTERS `QC'.

G REPLACE EXISTING REMOTE CONTROL VALVE ASSEMBLY WITH NEW SMALLER SIZE VALVE ASSEMBLY:
LOCATE EXISTING REMOTE CONTROL VALVE IN A PLASTIC VALVE BOX IN LANDSCAPE PLANTER. EXCAVATE AROUND EXISTING REMOTE CONTROL VALVE AND VALVE BOX. REMOVE AND DISPOSE OF EXISTING VALVE BOX. REMOVE EXISTING REMOTE CONTROL VALVE WITH ALL EXISTING FITTINGS AND NIPPLES TO EXISTING MAINLINE. INSTALL NEW SCH. 80 PVC THREADED REDUCER BUSHING INTO EXISTING MAINLINE FITTING TO REDUCE OUTLET TO EITHER NEW 1" OR 1-1/2" REMOTE CONTROL VALVE ASSEMBLY. INSTALL SCH. 80 PVC FITTINGS, NIPPLES, AND ALL COMPONENTS AS IDENTIFIED IN REMOTE CONTROL VALVE DETAIL TO REPLACE EXISTING VALVE WITH A NEW SIZE NOTED WEATHERMATIC 11024 SERIES REMOTE CONTROL VALVE. INSTALL NEW 3M MODEL DBR-Y6 WIRE CONNECTORS AND CONNECT NEW 14-GAUGE WIRES TO NEW REMOTE CONTROL VALVE SOLENOID AS PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW SCH. 40 PVC LATERAL SEGMENT AND APPROPRIATE SCH. 40 FITTINGS TO RECONNECT NEW REMOTE CONTROL VALVE TO EXISTING PVC LATERAL LINE. INSTALL NEW JUMBO PLASTIC RECTANGULAR VALVE BOX WITH HEAT STAMPED STATION NUMBER ON VALVE BOX LID. INSTALL A NEW STANDARD YELLOW CHRISTY ID TAG ON VALVE SOLENOID. CONFIRM WITH P.V.S.D. REPRESENTATIVE THE EXACT VALVE STATION NUMBER DESIRED FOR EACH REMOTE CONTROL VALVE PRIOR TO PURCHASING CHRISTY ID TAGS AND HEAT STAMPING VALVE BOX LID.

H REMOVE EXISTING PGM TURF ROTOR WITH SWING JOINT TO LATERAL FITTING - REPLACE WITH NEW PGP-06-PRB-CV ROTOR ASSEMBLY:
FIELD VERIFY THE EXACT LOCATION OF EXISTING HUNTER PGM 4" POP UP TURF ROTOR BODY WITH ¾" FPT INLET IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING TURF ROTOR INCLUDING THE EXISTING ¾" PVC SWING JOINT ASSEMBLY TO THE EXISTING ¾" SCH. 40 PVC THREADED FITTING ON THE LATERAL PIPE. REMOVE AND DISPOSE OF THE EXISTING HUNTER 4" PGM TURF ROTOR BODY AND COMPLETE EXISTING SWING JOINT ASSEMBLY TO EXISTING SCH. 40 PVC THREADED LATERAL FITTING. REPLACE WITH (1) ¾" SCH. 40 PVC STREET ELBOW INTO EXISTING LATERAL FITTING, (1) ¾" X 6" LONG SCH. 80 PVC NIPPLE, AND (2) ¾" MARLEX STREET ELBOWS. THREAD (1) ¾" MARLEX ELBOW ONTO THE OPEN END OF THE SCH. 80 PVC NIPPLE, THREAD THE OTHER ELBOW INTO THE FIRST STREET ELBOW. INSTALL (1) LASCO THREADED REDUCER BUSHING ¾" MPT X ¾" INTO THE BASE OF THE PGP-06-PRB-CV ROTOR BODY REDUCING ¾" INLET TO ¾" SIZE. THREAD COMPLETED ¾" SWING JOINT ASSEMBLY INTO THE BASE OF THE HUNTER PGP-06-PRB-CV 6" POP UP TURF ROTOR BODY. INSTALL SPECIFIED NOZZLE AND ADJUST HEIGHT OF POP UP TURF ROTOR TO BE INSTALLED ½" ABOVE EXISTING FINISH GRADE. COMPACT SOIL AROUND SWING JOINT ASSEMBLY AND NEW TURF ROTOR POP UP BODY TO ENSURE THAT THE SOIL WILL NOT SETTLE AND TO KEEP THE POP UP RISER PERPENDICULAR TO FINISH GRADE.

I REMOVE EXISTING POP UP SPRAY HEAD AND SWING JOINT TO LATERAL FITTING - REPLACE WITH NEW SPRAY HEAD ASSEMBLY:
FIELD VERIFY THE EXACT LOCATION OF EXISTING RAIN BIRD 1800 SERIES POP UP TURF SPRAY BODY WITH ¾" FPT INLET IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING POP UP SPRAY HEAD BODY INCLUDING THE EXISTING ¾" PVC SWING JOINT ASSEMBLY TO THE EXISTING ¾" SCH. 40 PVC THREADED FITTING ON THE LATERAL PIPE. REMOVE AND DISPOSE OF THE EXISTING RAIN BIRD POP UP SPRAY HEAD BODY AND COMPLETE SWING JOINT ASSEMBLY TO EXISTING SCH. 40 PVC THREADED LATERAL FITTING. REPLACE WITH (1) ¾" SCH. 40 PVC STREET ELBOW INTO EXISTING LATERAL FITTING, (1) ¾" X 6" LONG SCH. 80 PVC NIPPLE, AND (2) ¾" MARLEX STREET ELBOWS. THREAD (1) ¾" MARLEX ELBOW ONTO THE OPEN END OF THE SCH. 80 PVC NIPPLE, THREAD THE OTHER ELBOW INTO THE FIRST STREET ELBOW. THREAD COMPLETED ¾" SWING JOINT ASSEMBLY INTO THE BASE OF THE RAIN 6" POP UP SPRAY HEAD BODY. INSTALL SPECIFIED NOZZLE AND ADJUST HEIGHT OF TURF POP UP SPRAY HEAD BODY TO BE INSTALLED ½" ABOVE EXISTING FINISH GRADE, SHRUB POP UP SPRAY HEAD BODY SHALL BE INSTALLED 1" ABOVE FINISH GRADE. COMPACT SOIL AROUND SWING JOINT ASSEMBLY AND NEW TURF ROTOR POP UP BODY TO ENSURE THAT THE SOIL WILL NOT SETTLE AND TO KEEP THE POP UP RISER PERPENDICULAR TO FINISH GRADE.

J REPAIR EXISTING POP-UP SPRAY HEAD LAWN SPRINKLER SYSTEM AS A RESULT OF RECENTLY ADDED CONCRETE SIDEWALK PATHWAYS:
THREE CONCRETE SIDEWALK PATHWAYS HAVE BEEN RECENTLY INSTALLED THROUGH THE EXISTING TURF PLANTERS. THESE THREE AREAS ARE CIRCLED ON THE PLAN. THE EXISTING POP-UP SPRAY HEAD SYSTEM WAS NEVER MODIFIED PROPERLY TO PREVENT DIRECT OVER SPRAY ONTO THE NEW CONCRETE SIDEWALK PATHWAYS. EVALUATE THE EXISTING CONDITIONS. MODIFY SPRAY HEAD LAYOUT AND NOZZLES BY ADDED BACKUP HEADS TO PREVENT OVER SPRAY ONTO PAVEMENT. THE IRRIGATION PLAN ILLUSTRATES AN APPROXIMATE HEAD LAYOUT BASED ON THE ORIGINAL IRRIGATION PLAN HEAD LAYOUT. ADD 6" POP UP SPRINKLER HEADS ONTO EXISTING PVC LATERALS AS NEEDED TO ACCOMPLISH THIS WORK.

K REMOVE EXISTING 1" QUICK COUPLER FROM PVC MAINLINE - REPLACE WITH A NEW 1" UNIVERSAL AIR RELIEF VALVE IN A VALVE BOX:
FIELD VERIFY THE EXACT LOCATION OF AN EXISTING 1" QUICK COUPLER IN A EXISTING VALVE BOX WITH A MANIFOLD OF EXISTING REMOTE CONTROL VALVES. EXCAVATE, REMOVE, AND DISPOSE EXISTING VALVE BOX. REMOVE THE 1" QUICK COUPLER VALVE AND SWING JOINT FITTINGS TO THE EXISTING 3" PVC MAINLINE. INSTALL A NEW 1" CRISPIN AIR RELIEF VALVE USING THE EXISTING 1" MAINLINE FITTING AS A POINT OF CONNECTION. INSTALL AIR RELIEF VALVE AS PER IRRIGATION DETAIL AND COVER WITH A NEW STANDARD RECTANGULAR VALVE BOX.

L REPLACE EXISTING REMOTE CONTROL VALVE ASSEMBLY WITH NEW SMALLER VALVE ASSEMBLY WITH A DRIP FILTER:
LOCATE EXISTING REMOTE CONTROL VALVE IN A PLASTIC VALVE BOX IN LANDSCAPE PLANTER. EXCAVATE AROUND EXISTING REMOTE CONTROL VALVE AND VALVE BOX. REMOVE AND DISPOSE OF EXISTING VALVE BOX. REMOVE EXISTING REMOTE CONTROL VALVE WITH ALL EXISTING FITTINGS AND NIPPLES TO EXISTING MAINLINE. INSTALL NEW SCH. 80 PVC THREADED REDUCER BUSHING INTO EXISTING MAINLINE FITTING TO REDUCE OUTLET TO NEW REMOTE CONTROL VALVE ASSEMBLY. INSTALL SCH. 80 PVC FITTINGS, NIPPLES, AND ALL COMPONENTS AS IDENTIFIED IN REMOTE CONTROL VALVE DETAIL TO REPLACE EXISTING VALVE WITH A NEW 1" WEATHERMATIC 11024 SERIES REMOTE CONTROL VALVE WITH A 1" RAIN BIRD PRESSURE REGULATING DRIP FILTER MODEL PRB-QKCHK-100 FILTER. INSTALL NEW 3M WIRE CONNECTORS AND CONNECT EXISTING 14-GAUGE WIRES TO NEW REMOTE CONTROL VALVE SOLENOID AS PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW SCH. 40 PVC LATERAL SEGMENT AND RECONNECT NEW REMOTE CONTROL VALVE TO EXISTING LATERAL LINE. INSTALL NEW JUMBO PLASTIC RECTANGULAR VALVE BOX WITH HEAT STAMPED STATION NUMBER ON VALVE BOX LID. INSTALL A NEW STANDARD YELLOW CHRISTY ID TAG ON VALVE SOLENOID. CONFIRM WITH P.V.S.D. REPRESENTATIVE THE EXACT VALVE STATION NUMBER DESIRED FOR EACH REMOTE CONTROL VALVE PRIOR TO PURCHASING CHRISTY ID TAGS AND HEAT STAMPING VALVE BOX LID.

M NEWLY INSTALLED (E) REMOTE CONTROL VALVE - PROTECT IN PLACE:
FIELD VERIFY THE EXACT LOCATION OF THE (E) REMOTE CONTROL VALVE. THIS REMOTE CONTROL VALVE HAS BEEN RECENTLY INSTALLED. PROTECT IN PLACE.

N REMOVE EXISTING REMOTE CONTROL VALVE - CAP PVC VALVE SUPPLY LINE AND BUNDLE WIRES IN VALVE BOX FOR FUTURE USE:
FIELD VERIFY THE EXACT LOCATION OF THE EXISTING REMOTE CONTROL VALVE IDENTIFIED ON THE PLAN THAT IS NO LONGER IN USE. EXCAVATE AND REMOVE THE EXISTING REMOTE CONTROL VALVE AND VALVE BOX. CAREFULLY DISCONNECT THE EXISTING 14-GAUGE CONTROL WIRE AND COMMON WIRE AND SECURE THE ENDS WITH A WATERPROOF WIRE SPLICE CONNECTOR. INSTALL A LINE SIZE SCH. 80 PVC SOLVENT WELD CAP OVER PVC LINE PREVIOUSLY SUPPLYING WATER TO THE REMOTE CONTROL VALVE TO BE USED AS A FUTURE POINT OF CONNECTION FOR POSSIBLE FUTURE VALVE INSTALLATION. COVER BOTH CAPPED MAINLINE AND SALVAGED CONTROL AND COMMON WIRES WITH A NEW RECTANGULAR VALVE BOX. HEAT STAMP THE WORK `CAP' ON TOP OF THE VALVE BOX LID.

O CHANGE REMOTE CONTROL VALVE 'K-14' FROM A SPRAY SYSTEM AROUND MPR BUILDING TO A DRIP IRRIGATION SYSTEM:
FIELD VERIFY THE EXACT LOCATION OF REMOTE CONTROL VALVE 'K-14'. REPLACE THIS VALVE WITH A NEW 1" DRIP REMOTE CONTROL VALVE AND CONNECT TO EXISTING 14-GAUGE WIRES. USE EXISTING PVC LATERAL PIPING INSTALLED IN LANDSCAPE PLANTERS ON NORTH AND EAST SIDE OF MPR BUILDING AS SUPPLY PIPING AND CONVERT THE EXISTING DRIP IRRIGATION SYSTEM TO A DRIP IRRIGATION SYSTEM WITH ¾" POLYETHYLENE DRIP TUBING INSTALLED ON GRADE AND SECURED IN PLACE WITH GPH IRRIGATION `TOUGH AS NAILS' TUBING STAKES SPACED 5'-0" O.C. INSTALL (2) 2 GPH DRIP EMITTERS FOR EACH EXISTING SHRUB IN PLANTERS. There ARE APPROXIMATELY (20) SHRUBS IN THESE PLANTERS.

P MODIFY (E) REMOTE CONTROL VALVE 'K-11' BY CUTTING LATERAL SUPPLY TO (E) SPRAY HEADS ALONG EAST SIDE OF SIDEWALK - CONVERT THIS AREA TO DRIP IRRIGATION CONNECTED TO RCV 'K-10':
FIELD VERIFY THE EXACT LOCATION OF (E) REMOTE CONTROL VALVE 'K-11' PRESENTLY OPERATING POP UP SPRAY HEADS ALONG THE EAST SIDE OF THE SIDEWALK AS WELL AS THE FRONT OF THE CLASSROOM BUILDING. EXCAVATE AND EXPOSE (E) LATERAL SUPPLY PIPE FROM REMOTE CONTROL VALVE 'K-11' OPERATING THE SPRAY HEADS ALONG EAST SIDE OF SIDEWALK. CUT LATERAL AND CAP OFF SUPPLY LINE TO PREVENT ANY WATER FROM ENTERING POP UP SPRAY HEADS ALONG SIDEWALK. MAINTAIN WATER SUPPLY TO POP UP SHRUB HEADS ALONG FRONT OF BUILDING. FIELD VERIFY THE EXACT LOCATION OF DRIP REMOTE CONTROL VALVE 'K-10'. EXCAVATE AND EXPOSE (E) PVC SLEEVES FOR MAINLINE AND LATERAL PIPING UNDER SIDEWALK. INSTALL A NEW ¾" SCH. 40 PVC LATERAL SEGMENT CONNECTED TO NEW DRIP IRRIGATION SYSTEM SUPPLIED BY DRIP REMOTE CONTROL VALVE 'K-10' UNDER SIDEWALK USING (E) SLEEVES TO CONVERT THE EXISTING SHRUB PLANTER PREVIOUSLY IRRIGATED BY POP UP SHRUB HEADS TO NEW DRIP EMITTERS AND ¾" POLYETHYLENE DRIP TUBING. INSTALL (2) 2 GPH DRIP EMITTERS FOR EACH EXISTING SHRUB TO REMAIN AND ANY POSSIBLE NEW SHRUB SPOTTED BY P.V.S.D. REPRESENTATIVE. SECURE TUBING WITH GPH IRRIGATION `TOUGH AS NAILS' DRIP STAKES SPACED 5'-0" O.C.

Q MODIFY (E) REMOTE CONTROL VALVE 'K-11' BY CUTTING LATERAL SUPPLY TO (E) SPRAY HEADS ALONG EAST SIDE OF SIDEWALK - CONVERT THIS AREA TO DRIP IRRIGATION CONNECTED TO RCV 'K-10':
ALL REMOTE CONTROL VALVES THAT ARE RECEIVING NEW DRIP REMOTE CONTROL VALVES WILL REQUIRE NEW ¾" POLYETHYLENE DRIP TUBING SECURED TO FINISH GRADE WITH GPH IRRIGATION COMPANY `TOUGH AS NAILS' DRIP STAKES SPACED AT 5'-0" ALONG THE DRIP TUBING LINE. INSTALL (2) 2 GPH DRIP EMITTERS PER EACH 5-GALLON PLANT PURCHASED AND PROVIDED BY P.V.S.D. AND PLANTED BY CONTRACTOR. PURCHASE AND INSTALL (2) 2 GPH DRIP EMITTERS FOR ANY EXISTING SHRUB THAT HAS BEEN IDENTIFIED BY P.V.S.D. STAFF TO BE PROTECTED IN PLACE. PURCHASE AND INSTALL A TOTAL OF (6) 2 GPH DRIP EMITTERS FOR EACH NEW 24" BOX TREE PURCHASED BY CONTRACTOR AND INSTALLED IN PLANTERS. P.V.S.D. STAFF SHALL SPOT THE TREE PLACEMENT IN THE FIELD. CONTRACTOR SHALL EVALUATE THE SITE AND DETERMINE THE EXACT QUANTITY OF ¾" POLYETHYLENE TUBING AND DRIP STAKES REQUIRED TO COMPLETE THIS PROJECT. THERE ARE A TOTAL OF (65) NEW 5-GALLON SHRUBS PURCHASED AND DELIVERED TO SITE AND PLANTED BY CONTRACTOR. THERE ARE (3) 24" BOX TREES PURCHASED AND INSTALLED BY CONTRACTOR. THE LANDSCAPE ARCHITECT ESTIMATES A TOTAL OF (100) EXISTING SHRUBS THAT WILL REMAIN PROTECTED IN PLACE IN ALL PLANTERS AS WELL AS SCHOOL GARDEN AREA. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF SHRUBS REQUIRING NEW DRIP EMITTERS AND TUBING.

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	DETAIL / SHEET
	(E) FLOW SENSOR CABLE	RAIN MASTER	EV-CAB-SEN	INSTALLED IN A 3/4" ELECTRICAL CONDUIT - 18" BELOW GRADE - PROTECT IN PLACE	N.A.
	(E) SLEEVING	UNKNOWN	CLASS 200 PVC - SOL WELD	24" BELOW GRADE	N.A.
	(E) MAINLINE (3"& LARGER)	UNKNOWN	SCH. 40 PVC SOL. WELD	18" BELOW GRADE - UNLESS OTHERWISE NOTED ON PLAN	N.A.
	(E) PVC LATERAL	UNKNOWN	CLASS 200 / SCH. 40 PVC SOV. WELD	12" BELOW GRADE - UNLESS OTHERWISE NOTED ON PLAN	N.A.
	NEW PVC LATERAL	PACIFIC / P.W. PIPE	SCH. 40 PVC SOV. WELD	12" BELOW GRADE - UNLESS OTHERWISE NOTED ON PLAN	1.2,3 / L4.1
NO SYMBOL	(N) POLYETHYLENE DRIP TUBING	RAIN BIRD / EQUAL	XBS100 SERIES OR EQUAL	1/2" POLYETHYLENE DRIP TUBING SECURED TO FINISH GRADE W/ TUBING STAKES SPACED 5'-0" O.C.	14,15 / L4.1
M	(E) WATER METER	UNKNOWN	2" SIZE	PROTECT IN PLACE	N.A.
	(E) BACKFLOW DEVICE	FEBCO	825-YD-3"	12" ABOVE FINISH GRADE MINIMUM - PROTECT IN PLACE	N.A.
	(E) MASTER VALVE	SUPERIOR	3100 SERIES - 3"	NORMALLY OPEN - 200 PSI RATING - PROTECT IN PLACE	N.A.
	(E) FLOW METER	RAINMASTER	EVFM-P200 (2")	2" SIZE - SOLVENT WELD TO PVC MAINLINE - PROTECT IN PLACE	N.A.
	(E) HOSE BIB	CHAMPION	B401-LK	3/4" MALE HOSE X 3/4" FEMALE PIPE, BRASS, INSTALLED 12" ABOVE GRADE - PROTECT IN PLACE	N.A.
	(E) QUICK COUPLER	BUCKNER	QB44RC-10	1" SIZE, RUBBER COVER, BRASS, INSTALLED IN A VALVE BOX - PROTECT IN PLACE	N.A.
	(E) DRIP REMOTE CONTROL VALVE ASSEMBLY	WEATHERMATIC / RAIN BIRD	MAX-DW-10 / WITH RAIN BIRD PRB-QKCHK-100 FILTER	1" PVC BALL VALVE, (1") MAX-DW-10 REMOTE CONTROL VALVE, AND RAIN BIRD PRB-QKCHK-100 PRESSURE COMPENSATING DRIP FILTER IN A JUMBO VALVE BOX - PROTECT IN PLACE	N.A.
	(E) R.C.V. TO BE CAPPED	SUPERIOR	950DW-SERIES	(E) R.C.V SHALL BE REMOVED, LINE CAPPED & WIRES SECURED FUTURE - COVER W/ VALVE BOX	N.A.
K	(E) AUTO CONTROLLER	WEATHERMATIC	PL-4800	48 STATIONS MINIMUM - INSTALLED IN A STAINLESS STEEL ENCLOSURE - PROTECT IN PLACE	N.A.
P	(E) IRRIGATION PUMP	P.T.S. / BARRETT	BEPC610A-3-2	PRE-ASSEMBLED - IN ENCLOSURE - PROTECT IN PLACE	N.A.
	(E) SCH. 80 PVC BALL VALVE	SPEARS	TRU-UNION SERIES	SCH. 80 PVC BODY - LINE SIZE - INSTALLED IN A VALVE BOX - PROTECT IN PLACE	N.A.
	(E) SPRINKLER HEAD	RAIN BIRD / HUNTER	MODEL NUMBERS VARY	PROTECT IN PLACE UNLESS OTHERWISE NOTED ON IRRIGATION PLAN	N.A.
	(N) REMOTE CONTROL VALVE	WEATHERMATIC	MAX-DW SERIES	GLASS-NYLON VALVE BODY - 220 PSI RATING - IN RECTANGULAR VALVE BOX	9 / L4.1
	(N) REMOTE CONTROL VALVE	WEATHERMATIC	MAX-DW-XPR SERIES	PRESSURE REGULATING GLASS-NYLON VALVE - 220 PSI RATING - IN JUMBO VALVE BOX	9 / L4.1
	(N) DRIP REMOTE CONTROL VALVE ASSEMBLY	WEATHERMATIC / RAIN BIRD	MAX-DW-10 / WITH RAIN BIRD PRB-QKCHK-100 FILTER	INSTALL 1" PVC BALL VALVE, (1") MAX-DW-10 REMOTE CONTROL VALVE, AND RAIN BIRD PRB-QKCHK-100 PRESSURE COMPENSATING DRIP FILTER IN A JUMBO VALVE BOX	10 / L4.1
	(N) DUCTILE IRON GATE VALVE MAINLINES 2" & LARGER	NIBCO	F-619RW-SON	LINE SIZE, DUCTILE IRON EPOXY COATED FLANGED GATE VALVE WITH OPERATING NUT - INSTALL IN A STANDARD RECTANGULAR VALVE BOX. INSTALL GATE VALVES ON MAINLINES 2" SIZE OR LARGER.	5 / L4.1
	(N) QUICK COUPLER	BUCKNER	QB44RC-10	1" SIZE, RUBBER COVER, BRASS, INSTALLED IN A VALVE BOX	7 / L4.1
AV	(N) UNIVERSAL AIR VALVE	CRISPIN	IC-10A SERIES	1" SIZE - INSTALL IN A STANDARD VALVE BOX WITH GREEN LOCKING LID	8 / L4.1
	(N) SCH. 80 PVC BALL VALVE	SPEARS	TRU-UNION SERIES	SCH. 80 PVC SLIP BODY - EPDM O-RINGS - LINE SIZE - MAINLINES 1-1/2" OR LESS - IN VALVE BOX	6 / L4.1
	SCH. 40 PVC BALL VALVE	SPEARS / NIBCO / EQ.	SCH. 40 PVC BALL VALVE	SCH. 40 PVC SOLVENT WELD, 1/2" SIZE, INSTALLED IN A 10" ROUND GREEN VALVE BOX FOR FUTURE DRIP IRRIGATION POINTS OF CONNECTION	14 / L4.1

F	TQ	TT	H	T	Q			PSI	RAD	GPM F	GPM TQ	GPM TT	GPM H	GPM T	GPM Q	
							POP UP TURF ROTOR	HUNTER	I-40-06-SS-13 (LIGHT BLUE)	6" STAINLESS STEEL RISER, CHECK VALVE	60	54				9.20	11 / L4.1
							POP UP TURF ROTOR	HUNTER	I-40-06-SS-13 (LIGHT BLUE)	6" STAINLESS STEEL RISER, CHECK VALVE	60	52			12.3	12.3	11 / L4.1
							POP UP TURF ROTOR	HUNTER	I-40-06-SS-13 (LIGHT BLUE)	6" STAINLESS STEEL RISER, CHECK VALVE	60	52		12.3			11 / L4.1
							POP UP TURF ROTOR	HUNTER	I-40-06-SS-08 (LIGHT BROWN)	6" STAINLESS STEEL RISER, CHECK VALVE	60	46	13.2				11 / L4.1
							POP UP TURF ROTOR	HUNTER	I-25-06-SS-04 (YELLOW)	6" STAINLESS STEEL RISER, CHECK VALVE	60	42				4.70	11 / L4.1
							POP UP TURF ROTOR	HUNTER	I-25-06-SS-07 (ORANGE)	6" STAINLESS STEEL RISER, CHECK VALVE	60	48			7.50		11 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-35Q-MPR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	35				1.92	12 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-35H-MPR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	35			3.81		12 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-35F-MPR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	35	7.58				12 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-.75SR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	25				0.75	12 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-1.5SR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	25			1.50		12 / L4.1
							POP UP TURF ROTOR	HUNTER	PGP-06-PRB-CV-3.0SR	6" PLASTIC RISER, PRES. REGULATING, CHECK VALVE	45	25	3.00				12 / L4.1
							POP UP TURF ROTOR	HUNT

DUNNIGAN STREET

EXISTING CHAIN LINK FENCE

(E) PLAY EQUIPMENT PROTECT IN PLACE

(E) TURF P.I.P.

SYMBOL DENOTES (E) TREE PROTECT IN PLACE

85'-0"

15'-0"

46'-0"

COVERED OUTDOOR EATING AREA

THERE IS A BUILD UP OF SOIL AND SAND ALONG THE WEST SIDE OF THE COVERED OUTDOOR EATING AREAS AND SWINGS CAUSING A PEDESTRIAN TRIP HAZARD. SCRAPE AND REMOVE EXISTING KIKUYU GRASS AND REMOVE FROM SITE. FINE GRADE THIS 15' WIDE STRIP OF LANDSCAPE ALONG THE LENGTH OF THE EATING AREAS AND SWINGS TO CREATE A SMOOTH, UNIFORM, GENTLY SLOPED SURFACE SUITABLE FOR BOTH SAFE PEDESTRIAN USE AS WELL AS FOR SAFE OPERATION OF SIT DOWN ROTARY LAWN MOWERS. REVIEW FINISHED FINE GRADING WORK WITH P.V.S.D. REPRESENTATIVE TO GAIN APPROVAL PRIOR TO INSTALLING NEW IRRIGATION OR BEGINNING ANY HYDRO-SEED OPERATIONS.

EXISTING A/C PAVING

TILL AREA TO A DEPTH OF 8". INCORPORATE SOIL AMENDMENTS AS PER SPECIFICATIONS. FINE GRADE TO CREATE A SMOOTH, UNIFORM SURFACE SUITABLE FOR SAFE PEDESTRIAN ACTIVITIES AND RIDE ON ROTARY LAWN MOWER OPERATION. FINE GRADE SOIL TO BLEND EVENLY INTO SURROUNDING EXISTING GRADES. HYDRO-SEED AREA WITH NEW GRASS SEED AS PER SPECIFICATIONS.

(E) SWINGS WITH POURED IN PLACE RUBBER SURFACING P.I.P.

135'-0"

(E) TURF P.I.P.

EXISTING CHAIN LINK FENCE

MATCHLINE
SEE SHEET L3.2

(E) SCHOOL GARDEN AREA – PROTECT IN PLACE

SYMBOL DENOTES (E) TREE PROTECT IN PLACE

VAULT

UTILITY BLDG.

NEW PUMP

(E) TURF P.I.P.

(E) TURF P.I.P.

KINDERGARTEN PLAY EQUIPMENT P.I.P.

CLASSROOMS

EXISTING COURTYARDS

CLASSROOMS

CLASSROOMS

(E) CONCRETE P.I.P.

(E) TURF P.I.P.

EXISTING A/C PAVING

1–24" BOX STANDARD TRUNK CERCIS 'FOREST PANSY'

CLASSROOMS

OFFICE

FLAG POLE

(E) TURF P.I.P.

EXISTING COURTYARDS

CLASSROOMS

(E) DECOMPOSED GRANITE – P.I.P.

PLANTER

PLANTER

PLANTER

(E) PLANTER – PROTECT IN PLACE.

CLASSROOMS

1–24" BOX STANDARD TRUNK CERCIS 'FOREST PANSY'

EXISTING COURTYARDS

LIBRARY

(E) TURF P.I.P.

(E) TURF P.I.P.

(E) SHRUBS

(E) TURF P.I.P.

SYMBOL DENOTES (E) TREE P.I.P.

(E) TURF P.I.P.

EXISTING PARKING

(E) TURF P.I.P.

PLANTING LEGEND & NOTES

SYMBOL	DESCRIPTION
	GRUB AND CLEAR ALL EXISTING MYOPORUM GROUND COVER AND EXISTING SHRUBS FROM THE PLANTER AREA AS DIRECTED BY THE PVSD REPRESENTATIVE IN THE FIELD. REMOVE AND DISPOSE OF ALL REMOVED LANDSCAPE MATERIALS OFF CAMPUS. PLANT SHRUBS PROVIDED BY PVSD. THE SOIL PREP IN THESE AREAS WILL BE LIMITED TO SHRUB BACKFILL MIX ONLY. APPLY DISTRICT APPROVED PRE-EMERGENT HERBICIDE ON EXPOSED SOIL IN PLANTER AREA. COVER THE ENTIRE PLANTER SURFACE WITH 3" THICK LAYER OF AGROMIN 'GARDEN MULCH' OR APPROVED EQUAL. APPROXIMATE TOTAL AREA: 5,970 SQ. FT.
	EXISTING SCHOOL GARDEN AREA. PROTECT EXISTING PLANTS IN PLACE. INSTALL AN ADDITIONAL 2" THICK LAYER OF WOOD MULCH TO THICKEN THE EXISTING MULCH LAYER IN THIS AREA. KEEP CROWNS OF EXISTING PLANTS CLEAR OF WOOD MULCH TO PREVENT MOISTURE / FUNGUS DAMAGE TO TRUNKS. APPROXIMATE TOTAL AREA: 5,480 SQ. FT.
	EXISTING SHRUB PLANTER WITH EXISTING SHRUBS AND WOOD MULCH COVER. THIS PLANTING AREA SHALL RECEIVE ADDITIONAL 5-GALLON SHRUBS, PURCHASED AND DELIVERED TO SITE BY P.V.S.D. THE NEW PLANTS SHALL BE SPACED IN THE PLANTER BY THE CONTRACTOR AT THE DIRECTION OF THE P.V.S.D. REPRESENTATIVE. ONCE THE PLANT LAYOUT HAS BEEN APPROVED BY THE P.V.S.D. REPRESENTATIVE, THE CONTRACTOR SHALL PLANT THE NEW PLANTS, PROVIDE NEW DRIP IRRIGATION, AND THEN INSTALL AN ADDITIONAL 2" THICK LAYER OF WOOD MULCH. KEEP THE WOOD MULCH FROM CONTACTING THE SHRUB TRUNKS TO PREVENT MOISTURE OR FUNGUS DAMAGE TO PLANT TISSUE. APPROXIMATE TOTAL AREA: 1,920 SQ. FT.
	(3) – 24" BOX CERCIS 'FOREST PANSY'

SYMBOL	DESCRIPTION
	SCRAPE AND REMOVE EXCESSIVE BUILD UP OF SOIL, SAND AND KIKUYU GRASS TO ELIMINATE PEDESTRIAN TRIP HAZARD. PROTECT IN PLACE THE EXISTING BURIED PVC LATERALS AND SPRINKLER HEADS. FINE GRADE TO CREATE A SMOOTH, UNIFORM, GENTLY SLOPING SURFACE SUITABLE FOR SAFE PEDESTRIAN USE AS WELL AS FOR SAFE USE FOR RIDE ON ROTARY LAWNMOWER OPERATION. OBTAIN APPROVAL OF COMPLETED FINE GRADING FROM THE P.V.S.D. REPRESENTATIVE. ROTO-TILL SOIL AMENDMENTS PER SPECIFICATIONS. INSTALL NEW IRRIGATION, FINE GRADE, AND HYDRO-SEED NEW GRASS SEED TO COMPLETE WORK. APPROXIMATE TOTAL AREA: 3,550 SQ. FT.
	ROTO-TILL TURF AND LOOSEN TO A DEPTH OF 8". PROTECT ALL EXISTING IRRIGATION LATERALS AND HEADS IN PLACE. ROTO-TILL SOIL AMENDMENTS ITO SOIL AS PER SPECIFICATIONS. FINE GRADE AREA TO A SMOOTH, UNIFORM, SURFACE SUITABLE FOR ACTIVE PLAY AND RIDE ON ROTARY LAWNMOWER OPERATION. FINE GRADE SOIL TO BLEND EVENLY WITH ADJACENT EXISTING GRADES PREVENTING TRIPPING HAZARDS. INSTALL NEW IRRIGATION REPLACEMENT SPRINKLER HEADS. HYDRO-SEED AREA WITH APPROVED GRASS SEED MIX AS PER PROJECT SPECIFICATIONS. APPROXIMATE TOTAL AREA OF AREA REQUIRING NEW HYDRO-SEED TURF: 15,000 SQ. FT. (THIS HYDRO-SEED AREA INCLUDES THE 3,550 SQ. FT. OF LANDSCAPE AREA REQUIRING RE-GRADING).
	EXISTING TURF – PROTECT IN PLACE.

PROJECT PLANTING NOTES:

1. PVSD SHALL PURCHASE AND DELIVER TO SITE (65) 5-GALLON SHRUBS. CONTRACTOR SHALL POSITION AND SPOT DELIVERED SHRUBS IN THE PLANTERS AS DIRECTED BY THE P.V.S.D. REPRESENTATIVE. ONCE THE PLANTS HAVE BEEN POSITIONED IN THE PLANTERS AND APPROVED BY THE P.V.S.D. REPRESENTATIVE, CONTRACTOR SHALL PLANT THE SHRUBS AS PER PROJECT SPECIFICATIONS. SHRUB PLANTING AREAS SHALL BE TREATED WITH AN APPROVED PRE-EMERGENT HERBICIDE AND COVERED WITH A 3" THICK LAYER OF AGROMIN 'GARDEN MULCH' WOOD MULCH OR APPROVED EQUAL.
2. SQUARE FOOT VALUES ARE PROVIDED BY LANDSCAPE ARCHITECT AS AN ESTIMATE OF AREA REQUIRING DEFINED IMPROVEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR MEASURING EXACT AREAS IN THE FIELD AND PROVIDING QUANTITIES OF MATERIALS WITH LABOR TO COMPLETE WORK.

N

GRAPHIC SCALE

0 10 20 60
5 15 40

SCALE: 1"=20'

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

Jordan, Gilbert & Bain Landscape Architects, Inc. © 2018

Pleasant Valley School District PVSD

REGISTERED LANDSCAPE ARCHITECT JOHN JAMES BAIN III 4785 SIGNATURE 04-28 RENEWAL DATE 2-15-26 DATE STATE OF CALIFORNIA

UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG
CALL : TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DATE	BY	DESCRIPTION

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

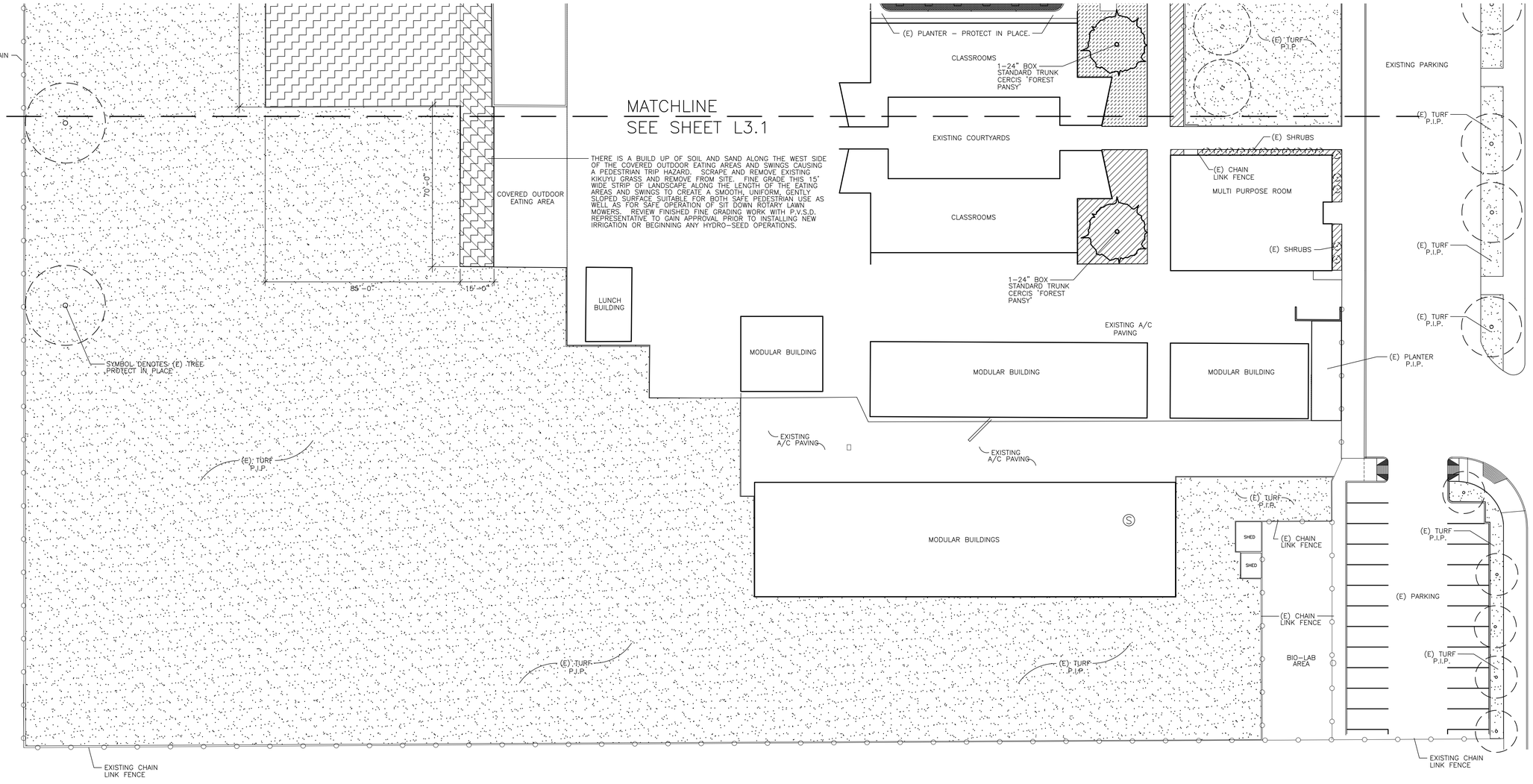
SHEET TITLE
PLANTING PLAN

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

DRAWN:	J. BAIN	
CHECKED:	J. BAIN	
PRINTED FOR:		
PLAN CHECK	02-15-26	
BID	02-15-26	
CONSTRUCTION	02-15-26	

DRAWING
L3.1
SHEET 5 OF 7
PROJECT No. 25.41

THESE DRAWINGS, SPECIFICATIONS AND DESIGNS ARE INSTRUMENTS OF PROFESSIONAL SERVICES AND AS SUCH ARE THE PROPERTY OF JORDAN & BAIN LANDSCAPE ARCHITECTS, INC. REPRODUCTION OR OTHER USE NOT AUTHORIZED BY JORDAN & BAIN IS PROHIBITED WITHOUT WRITTEN APPROVAL



PLANTING LEGEND & NOTES

SYMBOL	DESCRIPTION
	GRUB AND CLEAR ALL EXISTING MYOPORUM GROUND COVER AND EXISTING SHRUBS FROM THE PLANTER AREA AS DIRECTED BY THE PVSD REPRESENTATIVE IN THE FIELD. REMOVE AND DISPOSE OF ALL REMOVED LANDSCAPE MATERIALS OFF CAMPUS. PLANT SHRUBS PROVIDED BY PVSD. THE SOIL PREP IN THESE AREAS WILL BE LIMITED TO SHRUB BACKFILL MIX ONLY. APPLY DISTRICT APPROVED PRE-EMERGENT HERBICIDE ON EXPOSED SOIL IN PLANTER AREA. COVER THE ENTIRE PLANTER SURFACE WITH 3" THICK LAYER OF AGROMIN 'GARDEN MULCH' OR APPROVED EQUAL. APPROXIMATE TOTAL AREA: 5,970 SQ. FT.
	EXISTING SCHOOL GARDEN AREA. PROTECT EXISTING PLANTS IN PLACE. INSTALL AN ADDITIONAL 2" THICK LAYER OF WOOD MULCH TO THICKEN THE EXISTING MULCH LAYER IN THIS AREA. KEEP CROWNS OF EXISTING PLANTS CLEAR OF WOOD MULCH TO PREVENT MOISTURE / FUNGUS DAMAGE TO TRUNKS. APPROXIMATE TOTAL AREA: 5,480 SQ. FT.
	EXISTING SHRUB PLANTER WITH EXISTING SHRUBS AND WOOD MULCH COVER. THIS PLANTING AREA SHALL RECEIVE ADDITIONAL 5-GALLON SHRUBS, PURCHASED AND DELIVERED TO SITE BY P.V.S.D. THE NEW PLANTS SHALL BE SPACED IN THE PLANTER BY THE CONTRACTOR AT THE DIRECTION OF THE P.V.S.D. REPRESENTATIVE. ONCE THE PLANT LAYOUT HAS BEEN APPROVED BY THE P.V.S.D. REPRESENTATIVE, THE CONTRACTOR SHALL PLANT THE NEW PLANTS, PROVIDE NEW DRIP IRRIGATION, AND THEN INSTALL AN ADDITIONAL 2" THICK LAYER OF WOOD MULCH. KEEP THE WOOD MULCH FROM CONTACTING THE SHRUB TRUNKS TO PREVENT MOISTURE OR FUNGUS DAMAGE TO PLANT TISSUE. APPROXIMATE TOTAL AREA: 1,920 SQ. FT.
	(3) - 24" BOX CERCIS 'FOREST PANSY'

SYMBOL	DESCRIPTION
	SCRAPE AND REMOVE EXCESSIVE BUILD UP OF SOIL, SAND AND KIKUYU GRASS TO ELIMINATE PEDESTRIAN TRIP HAZARD. PROTECT IN PLACE THE EXISTING BURIED PVC LATERALS AND SPRINKLER HEADS. FINE GRADE TO CREATE A SMOOTH, UNIFORM, GENTLY SLOPING SURFACE SUITABLE FOR SAFE PEDESTRIAN USE AS WELL AS FOR SAFE USE FOR RIDE ON ROTARY LAWNMOWER OPERATION. OBTAIN APPROVAL OF COMPLETED FINE GRADING FROM THE P.V.S.D. REPRESENTATIVE. ROTO-TILL SOIL AMENDMENTS PER SPECIFICATIONS. INSTALL NEW IRRIGATION, FINE GRADE, AND HYDRO-SEED NEW GRASS SEED TO COMPLETE WORK. APPROXIMATE TOTAL AREA: 3,550 SQ. FT.
	ROTO-TILL TURF AND LOOSEN TO A DEPTH OF 8". PROTECT ALL EXISTING IRRIGATION LATERALS AND HEADS IN PLACE. ROTO-TILL SOIL AMENDMENTS ITO SOIL AS PER SPECIFICATIONS. FINE GRADE AREA TO A SMOOTH, UNIFORM, SURFACE SUITABLE FOR ACTIVE PLAY AND RIDE ON ROTARY LAWNMOWER OPERATION. FINE GRADE SOIL TO BLEND EVENLY WITH ADJACENT EXISTING GRADES PREVENTING TRIPPING HAZARDS. INSTALL NEW IRRIGATION REPLACEMENT SPRINKLER HEADS. HYDRO-SEED AREA WITH APPROVED GRASS SEED MIX AS PER PROJECT SPECIFICATIONS. APPROXIMATE TOTAL AREA OF AREA REQUIRING NEW HYDRO-SEED TURF: 15,000 SQ. FT. (THIS HYDRO-SEED AREA INCLUDES THE 3,550 SQ. FT. OF LANDSCAPE AREA REQUIRING RE-GRADING).
	EXISTING TURF - PROTECT IN PLACE.

PROJECT PLANTING NOTES:

1. PVSD SHALL PURCHASE AND DELIVER TO SITE (65) 5-GALLON SHRUBS. CONTRACTOR SHALL POSITION AND SPOT DELIVERED SHRUBS IN THE PLANTERS AS DIRECTED BY THE P.V.S.D. REPRESENTATIVE. ONCE THE PLANTS HAVE BEEN POSITIONED IN THE PLANTERS AND APPROVED BY THE P.V.S.D. REPRESENTATIVE, CONTRACTOR SHALL PLANT THE SHRUBS AS PER PROJECT SPECIFICATIONS. SHRUB PLANTING AREAS SHALL BE TREATED WITH AN APPROVED PRE-EMERGENT HERBICIDE AND COVERED WITH A 3" THICK LAYER OF AGROMIN "GARDEN MULCH" WOOD MULCH OR APPROVED EQUAL.
2. SQUARE FOOT VALUES ARE PROVIDED BY LANDSCAPE ARCHITECT AS AN ESTIMATE OF AREA REQUIRING DEFINED IMPROVEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR MEASURING EXACT AREAS IN THE FIELD AND PROVIDING QUANTITIES OF MATERIALS WITH LABOR TO COMPLETE WORK.

GRAPHIC SCALE

0 10 20 60
5 15 40

SCALE: 1"=20'

THESE DRAWINGS, SPECIFICATIONS AND DESIGNS ARE INSTRUMENTS OF PROFESSIONAL SERVICES AND AS SUCH ARE THE PROPERTY OF JORDAN & BAIN LANDSCAPE ARCHITECTS, INC. REPRODUCTION OR OTHER USE NOT AUTHORIZED BY JORDAN & BAIN IS PROHIBITED WITHOUT WRITTEN APPROVAL

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

Jordan, Gilbert & Bain Landscape Architects, Inc. © 2018

Pleasant Valley School District PSD

REGISTERED LANDSCAPE ARCHITECT JOHN JAMES BAIN #1793 SIGNATURE 04-28 RENEWAL DATE STATE OF CALIFORNIA

UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG
CALL : TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DATE	BY	DESCRIPTION

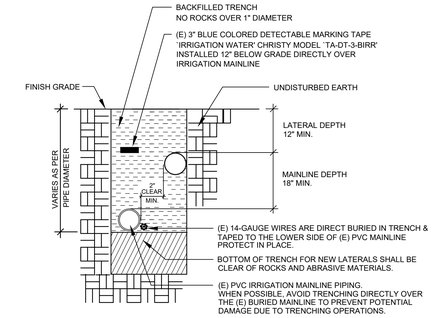
CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

SHEET TITLE
PLANTING PLAN

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

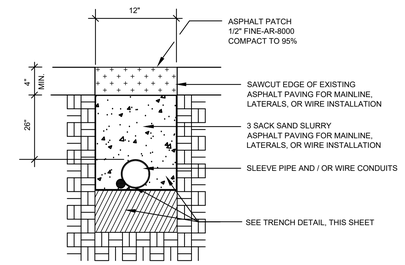
		PRINTED FOR:	
DRAWN:	J. BAIN	PLAN CHECK	02-15-26
CHECKED:	J. BAIN	BID	02-15-26
		CONSTRUCTION	02-15-26

DRAWING
L3.2
SHEET 6 OF 7
PROJECT No. 25.41



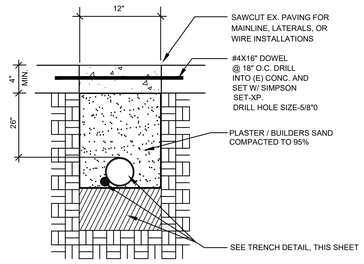
NOT TO SCALE

1 IRRIGATION PIPING TRENCH SECTION



NOT TO SCALE

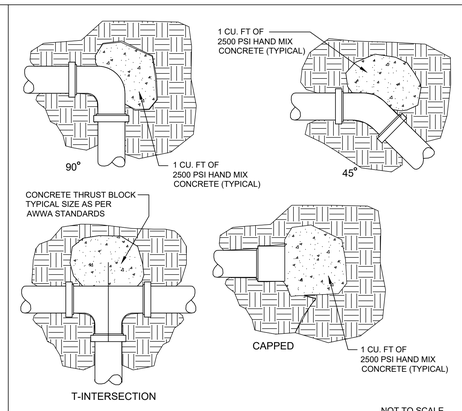
2 IRRIGATION TRENCH SECTION WITH ASPHALT CUT



NOTE:
WHERE POSSIBLE, TUNNELING UNDER (E) SIDEWALKS FOR NEW LATERAL INSTALLATION IS PREFERRED. WHEN THAT IS NOT REALISTIC, THEN SAW CUT AND PATCH CONCRETE SIDEWALK AS PER DETAIL.

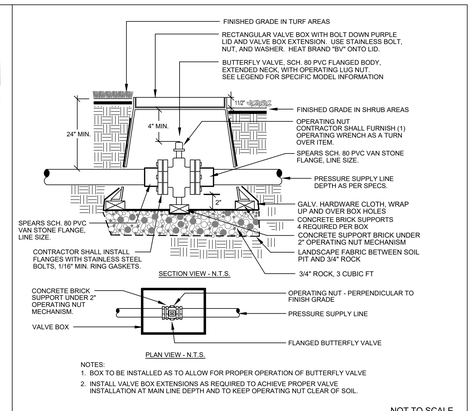
NOT TO SCALE

3 IRRIGATION TRENCH SECTION WITH CONCRETE CUT



NOT TO SCALE

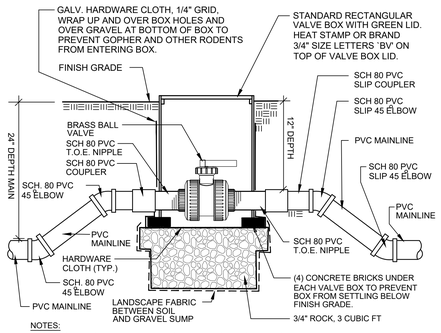
4 CONCRETE THRUST BLOCKS ON MAINLINE



NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BUTTERFLY VALVE
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH AND TO KEEP OPERATING NUT CLEAR OF SOIL.

NOT TO SCALE

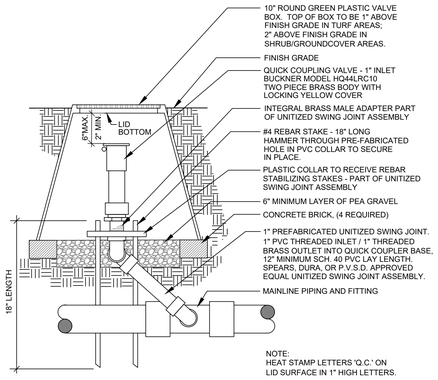
5 FLANGED GATE VALVE ON 2" MAINLINE SIZE OR LARGER



NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE. INSTALL VALVE IN CENTER OF BOX.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.
3. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).

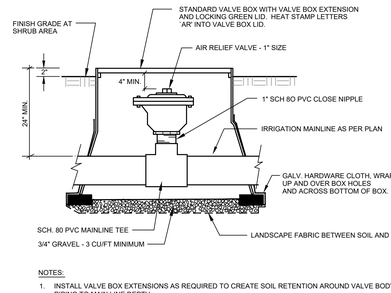
NOT TO SCALE

6 SCH. 80 PVC BALL VALVE ON 1-1/2" PVC MAINLINE OR LESS



NOT TO SCALE

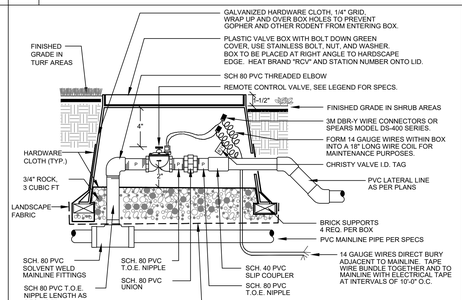
7 QUICK COUPLER



NOTES:
1. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO CREATE SOIL RETENTION AROUND VALVE BODY AND PIPING TO MAIN LINE DEPTH.
2. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" X 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).

NOT TO SCALE

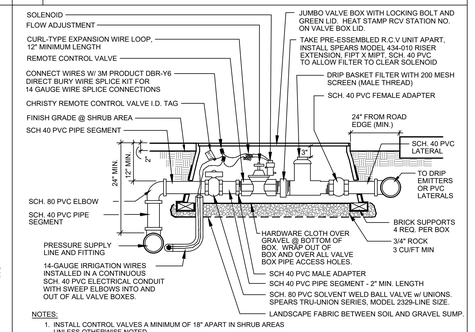
8 IRRIGATION MAINLINE - UNIVERSAL AIR RELEASE VALVE



NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 18" APART IN SHRUB AREAS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).
5. INSTALL LANDSCAPE FABRIC BETWEEN SOIL BASIN AND 3/4" ROCK.

NOT TO SCALE

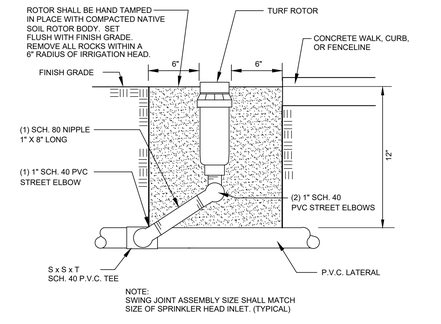
9 REMOTE CONTROL VALVE ASSEMBLY



NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 18" APART IN SHRUB AREAS
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. INSTALL LANDSCAPE FABRIC (WEED BARRIER) BETWEEN SOIL AND GRAVEL SUMP.
5. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).
6. USE RAINBOW TECHNOLOGY 'DUCT SEAL PUTTY' TO PLUG OPEN CONDUIT/WIRES WITHIN VALVE BOX TO PREVENT WATER FROM ENTERING CONDUIT OPENING.

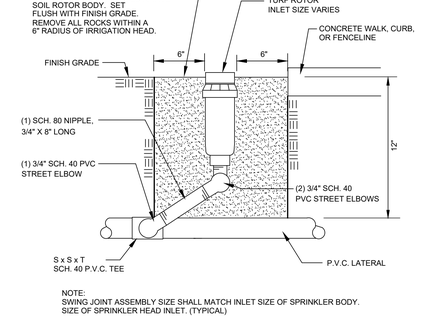
NOT TO SCALE

10 DRIP REMOTE CONTROL VALVE ASSEMBLY



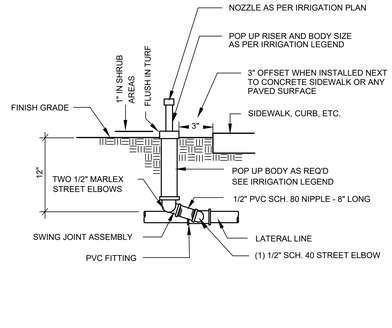
NOT TO SCALE

11 i-40 & i-25 POP UP TURF ROTORS - 1" INLET



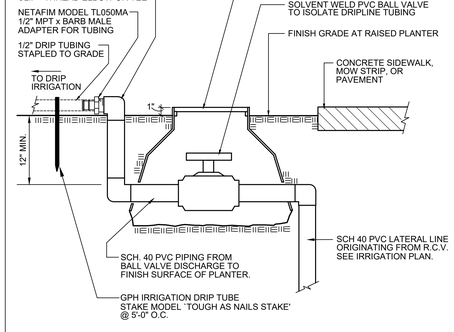
NOT TO SCALE

12 PGP ULTRA SERIES POP UP TURF ROTORS - 3/4" INLET



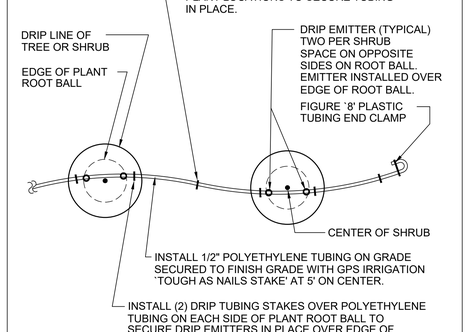
NOT TO SCALE

13 POP UP ROTATOR OR SPRAY HEAD



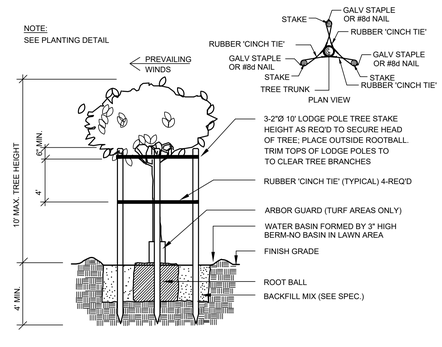
NOT TO SCALE

14 SCH. 40 PVC DRIP TUBE ISOLATION VALVE



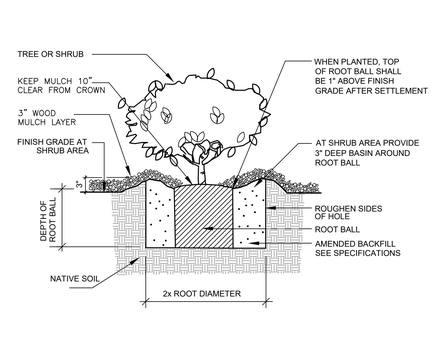
NOT TO SCALE

15 BARBED DRIP EMITTER ON POLYETHYLENE TUBING



NOT TO SCALE

16 24" BOX TREE STAKING DETAIL



NOT TO SCALE

17 PLANTING DETAIL FOR SHRUBS AND TREES

18 NOT USED

19 NOT USED

20 NOT USED

THESE DRAWINGS, SPECIFICATIONS AND DESIGNS ARE INSTRUMENTS OF PROFESSIONAL SERVICES AND AS SUCH ARE THE PROPERTY OF JORDAN & BAIN LANDSCAPE ARCHITECTS, INC. REPRODUCTION OR OTHER USE NOT AUTHORIZED BY JORDAN & BAIN IS PROHIBITED WITHOUT WRITTEN APPROVAL.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642–3641 FAX (805) 653–7874

Jordan, Gilbert & Bain Landscape Architects, Inc. © 2018

Pleasant Valley School District PSD

REGISTERED LANDSCAPE ARCHITECT JOHN GILBERT BAIN 4343 RENEWAL DATE 8-31-26 STATE OF CALIFORNIA

UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG
CALL : TOLL FREE 1–800–227–2600
TWO WORKING DAYS BEFORE YOU DIG

CLIENT
PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA. 93010

SHEET TITLE
LANDSCAPE DETAILS

PROJECT
UNIVERSITY PREP CHARTER SCHOOL
LANDSCAPE IMPROVEMENT PROJECT
1099 BEDFORD DRIVE
CAMARILLO, CA. 93010

DRAWN:	J. BAIN	
CHECKED:	J. BAIN	
PRINTED FOR:		02-15-26
PLAN CHECK		02-15-26
BID		02-15-26
CONSTRUCTION		02-15-26

DRAWING
L4.1
SHEET 7 OF 7
PROJECT No. 25.41

SPECIFICATIONS

FOR THE

LANDSCAPE IMPROVEMENTS

AT

UNIVERSITY PREPARATION CHARTER SCHOOL @ CSUCI
1099 BEDFORD DRIVE
CAMARILLO, CALIFORNIA 93010

FOR:

PLEASANT VALLEY SCHOOL DISTRICT
600 TEMPLE AVENUE
CAMARILLO, CA 93010

FEBRUARY 12, 2026

PREPARED BY:

JORDAN & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVENUE
VENTURA, CA 93001



TABLE OF CONTENTS
LANDSCAPE IMPROVEMENTS AT
UNIVERSITY PREPARATION CHARTER SCHOOL @ CSUCI

Section 01 10 20	Fencing and Protection
Section 31 11 00	Clear and Grub Planter
Section 32 84 23	Irrigation System
Section 32 92 19	Hydroseeding
Section 32 93 33	Shrub Planting
Section 32 93 43	Tree Planting
Section 32 94 60	Landscape Maintenance

SECTION 01 10 20
FENCING AND PROTECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

This section includes requirements for temporary fencing and protection of the work area.

1.02 SUBMITTALS

Submit for approval, all catalog cuts and/or specification sheet for all fencing products.

1.03 QUALITY ASSURANCE

Fencing shall be installed by a qualified fence company with experience in the installation of temporary fencing.

PART 2 PRODUCTS

2.01 TEMPORARY FENCING – BASE BID FOR SOD LAWN INSTALLATION

Temporary fencing shall be 5 feet high orange polyethylene barricade with manufacturer's approved stakes attached to post and frames installed in a a secure manner. Chain link fencing, barb wire and/or razor wire is not allowed. Fencing shall be kept in place during the construction period and maintenance period. Fencing shall be removed only when written authorization is provided by the District. The fence shall become the property of PVSD and shall be removed by PVSD once the sod is established.

PART 3 EXECUTION

3.01 FENCE LAYOUT

Contractor shall submit to the District for approval a schematic fence layout showing the location of fence panels and method of attachment of panels and post. This plan must be approved by the District prior to start of the work.

3.02 FENCE INSTALLATION

A. Install fencing and post so that no damage occurs to the existing underground conduits or paving. Immediately repair all damage to the existing conditions that may occur as a result of the fence installation.

B. If fencing panels have post with a horizontal support frame, make sure they are visually apparent to prevent any trip hazard.

3.03 FENCE REPAIR

Immediately repair any damage to the fencing that may occur.

END OF SECTION 01 10 20

SECTION 31 11 00
CLEAR AND GRUB PLANTER

PART 1 GENERAL

1.01 SECTION INCLUDES

This section includes general requirements to clear and grub existing landscape planters and remove debris from site.

1.02 RELATED SECTIONS

Section 32 84 23 – Irrigation Systems
Section 32 93 33 – Shrub Planting
Section 32 93 43 – Tree Planting

1.03 SUBMITTALS

Furnish material invoices indicating the quantities of District approved pre-emergent herbicide, mulch, and all materials required to complete the Work. Certificates shall be prepared by the supplier or distributor and shall indicate the quantities and qualities of materials used.

1.04 PROTECTION

Contractor shall check or locate existing structures, electric cables or conduits, utility lines and other existing features or conditions above or below ground level that might be damaged as a result of the operation. Questions or conflicts arising out of such examination prior to or during operation shall be immediately directed to the attention of the District for necessary action or decisions before resuming operation. Contractor shall be responsible for repair or replacement at no cost to the District for features or conditions damaged through failure to comply with the above procedures.

1.05 ALTERNATES

Alternates will not be permitted, except where indicated, and as approved by the Landscape Architect.

PART 2 PRODUCTS

2.01 MATERIALS – LANDSCAPE

A. Mulch shall be Agromin “Cover Mulch” or equal.

B. Pre-Emergent herbicide – product ‘Dimension’.

PART 3 EXECUTION

3.01 SITE CONDITION

Review existing conditions with PVSD Representatives. Clear and grub and remove specific unwanted vegetation and debris from site. Protect in place all existing trees, raised garden beds, and any existing shrub identified by the PVSD Representative in the field.

3.02 PRE-EMERGENT HERBICIDE

Broadcast pre-emergent herbicide product 'Dimension' over surface of exposed soil in shrub planters at rate per Manufacturer's specifications. Herbicide shall be applied prior to wood mulch installation.

3.03 MULCH

Install three-inch layer of mulch throughout shrub areas without groundcover. Finish grade shrub areas to a smooth uniform surface to receive mulch. Keep mulch away from tree and shrub crown. Dress mulch areas to present a clean uniform appearance when complete.

END OF SECTION 31 11 00

SECTION 32 84 23
IRRIGATION SYSTEM

PART 1 GENERAL

1.01 SECTION INCLUDES

This section includes requirements for the installation of the Irrigation System.

1.02 RELATED SECTIONS

Section 32 92 19 – Hydroseeding
Section 32 93 33 – Shrub Planting
Section 32 93 43 – Tree Planting

1.03 REQUIREMENTS OF REGULATORY AGENCIES

Secure all permits and licenses necessary for the work. Give all notices and comply with all laws, ordinances, rules, and regulations concerning the installation of the sprinkler system as drawn and specified.

1.04 SITE CONDITIONS

A. Prior to beginning any work, the Contractor and the District Inspector shall participate in a thorough irrigation system review of the project site. All remote control valves shall be turned on and observed in operation by both the Contractor and PVSD Representative. Any existing defects will be listed in detail identifying the specific valve station number and describing the exact broken or non-functioning irrigation component noted during the site review. At the conclusion of the irrigation review, the Contractor shall generate a summary of the items identified by both parties listing all remote control valves operated, identifying if the valve performed without any defects or specifically identifying any observed defects or non-functioning components, such as broken heads, clogged nozzles, non-operating valve solenoids, broken piping, or other noted defects. The completed summary of items noted shall be listed on a document called 'Existing Irrigation System Observations.' This document shall be signed by the Contractor and submitted to the PVSD Representative for a confirming signature. The mutually signed 'Existing Irrigation System Observations' document shall be sent to the attention of the Landscape Architect for inspection purposes at the conclusion of the construction work. If requested by the PVSD Representative, the Contractor shall provide a list of the existing defective irrigation components noted with a detailed written proposal to repair each item identified on the list. A copy of this proposal will be sent to the Landscape Architect. This additional work proposal must be reviewed and approved in writing by the PVSD and formally presented to the General Contractor before the Landscape Subcontractor can begin any additional repair work. The mutually signed 'Existing Irrigation System Observation' document shall be used as a guide to identify any collateral damage caused to the existing irrigation system as a result of new construction performed on site by the Contractors. Any damage caused to the existing irrigation system not specifically identified on the 'Existing Irrigation System Observation' document

shall be repaired or replaced at the Contractor's expense. In the event that the Contractor does not participate or perform the existing irrigation site review, any existing irrigation equipment or components damaged on the project site noted by the Landscape Architect during the final irrigation system review shall be repaired or replaced by the Contractor at their expense to the satisfaction of PVSD.

B. Do not willfully install the sprinkler system as indicated on the drawing when it is obvious in the field that unknown obstructions or grade differences exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the District Inspector.

C. Before excavating for sprinkler lines, locate all underground utility lines so that the proper precautions may be taken to avoid damage to such utilities. In the event of a conflict between underground lines, promptly notify the District who will arrange for the relocation of one or the other. Failure to follow this procedure places the responsibility upon the Contractor for making any and all repairs for damage of any kind at his own expense.

D. Provide necessary safeguards and exercise caution against injury or defacement of any existing site improvements. Contractor shall be responsible for any damage resulting from his operations and shall repair or replace such damage at his own expense. No trucks or vehicles of any kind shall be allowed to pass over sidewalks, curbs, etc., unless adequate protection is provided.

E. Existing Trees
   1. Exercise all possible care and precautions to avoid injury to tree roots, trunks, and branches. All excavating within drip line of trees shall be done very carefully and by hand pick and shovel if it appears that large roots are within trenching zones.
   2. Alter alignment of pipe to avoid large tree roots, 2-inch and larger in diameter.
   3. Wrap exposed and bridging tree roots with several layers of burlap and keep moist. Close all trenches within drip lines, within 24 hours.
   4. All severed roots 1-inch and larger shall be hand pruned with sharp tools and painted with acceptable horticultural seal.

1.05 MATERIAL LIST

Submit to the District for acceptance five (5) copies of all materials and equipment, including Manufacturer's names and catalog numbers, to be furnished and installed under this contract within 10 days after the award of the contract.

1.06 RECORD DRAWINGS

A. Provide and record daily a complete record set of prints on bond which shall be corrected to show changes from the original drawings and specifications and the exact installed locations, sizes, and kinds of equipment. Prints for this purpose may be obtained from the District. Keep this set of drawings on the site and use only as a record set.

B. Use these drawings as work progress sheets. Make neat and legible annotations thereon as the work proceeds, showing the work as actually installed. Keep these drawings available at all times for inspection and in a location designated by the District.

C. Before the date of the final inspection, transfer all information from the record prints to a clean set of prints procured from the District. Make work neat, in ink and subject to review and acceptance of the District. District will scan final drawings into a permanent electronic record document.

D. Dimension from two permanent points of reference such as building corners, sidewalks or road intersections, the location of:
   1. Connection to existing water lines.
   2. Connection to existing electrical power.
   3. Gate valves.
   4. Routing of sprinkler pressure lines and control wiring.
   5. Electric control valves.
   6. Quick coupling valves.
   7. Other related equipment as directed by District.

1.07 TESTS AND SITE OBSERVATIONS

A. All tests shall be made in the presence of the District; at least forty-eight (48) hours' notice shall be given for tests.

B. Record drawings must be current and shall be verified by the District at the time of all observations.

C. Site observations for all items pertaining to the work of this Section shall be performed by the District.

D. Specific site observations for valve assemblies, sprinkler coverage, control wires and splices and any other observations deemed necessary by the District shall be performed by the District.

E. An open trench main line check for pipe quality and depths shall be performed by the District.

F. Head Layout - using flag marker layout all drip emitter, tree flood bubblers, and spray heads in field prior to trenching. Review head layout with District and Landscape Architect and make adjustments in fields as directed prior to installing irrigation.

G. Center load pipe with small amount of backfill to prevent arching and whipping under pressure. Leave joints exposed for observation during pressure test. No water shall be permitted in the pipe until the above has been accomplished and a period of at least 24 hours has elapsed for solvent weld setting and curing.

Main lines to be tested up to valve at 125 pounds pressure and there shall be no leaks. Furnish force pump and pressure gauge. Lateral lines of system to be tested at line pressure with risers capped. Tests have to be for a 2 hour period and verified by the District.

H. Backfill quality and compaction of trenches shall be verified by the District. Do not backfill trenches until all tests have been completed and accepted.

I. Perform a coverage test in the presence of the District to determine if the water coverage for planting areas is complete and adequate. Furnish materials and perform all work required to correct any inadequacies of coverage due to deviations from drawings, or where the system has been willfully installed as indicated on the drawings when it is obviously inadequate, without bringing this to the attention of the District.

J. The coverage test shall be completed, and the irrigation system modified if necessary and accepted, prior to the start of the planting operations.

K. The entire system shall be checked out thoroughly and completely by the Contractor five (5) days prior to the final observation. All heads shall be properly aligned and adjusted for coverage and cleared of any foreign materials. All valves shall be properly adjusted. Sprinkler controller valve chart shall be checked for accuracy.

L. At the end of the Maintenance Period, a final observation shall be made by the Contractor and District to check out the entire system.

M. Final inspection prior to acceptance:
   1. Operate each system in its entirety for the District at time of final inspection. Rework any items deemed not acceptable to the District.
   2. Deliver to the District all accessories, charts, record drawings, and equipment as required before final inspection.

1.08 GUARANTEE

A. The entire sprinkler system shall be guaranteed for a period of one (1) year from date of final acceptance.

B. Should any portion of the irrigation system malfunction due to poor workmanship or defective materials, corrections shall be promptly made by the Contractor at his own expense.

C. Any damage to paving, plating, or other developments due to the settlements of improperly compacted trench soil, shall also be promptly repaired at the Contractor's expense, to the satisfaction of the District.

PART 2 PRODUCTS

2.01 GENERAL

A. Irrigation materials shall be as listed on the Irrigation Legend and in these specifications.

B. The irrigation products specified on the drawings in these specifications are selected to match existing products in use. Substitutions are permitted only when product name is followed by or equal.

C. Use only new materials of brands and types as noted on the drawings and as specified.

2.02 MATERIALS

A. PVC primer and solvents - as recommended by Manufacturer. John-Manville, Lasco, or Pacific Western.

B. Main Line Fittings - Schedule 40, PVC Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco Spears, or approved equal.

C. Lateral non-pressure line fittings - Schedule 40, PVC Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco or approved equal.

D. Nipples and Risers - PVC Schedule 80.

E. Pipe, Main Line shall be PVC Schedule 40 for size 1 ½" or less, solvent weld pipe in conformance with ASTM D-1785, D-1784. Mainline 2" and larger shall be Class 315 PVC.

F. Pipe, Lateral Non-Pressure Lines shall be PVC Schedule 40, solvent weld in conformance with ASTM D-1785, D-1784.

G. Thread Sealant shall be smooth, non-hardening sealant, compatible with the pipe materials specified. Do not use Teflon tape.

PART 3 EXECUTION

3.01 WORKMANSHIP AND INSTALLATION.

A. Layout and Adjustments
   1. The drawings are diagrammatic to the extent that many offsets, special fittings, and exact locations of the equipment are not shown. The locations of all valves, heads, lines, etc., shall be installed, however, as accurately as possible to the locations that are indicated on the drawings.
   2. The locations of main lines that are indicated as bordering walks, curbs and fences shall be placed as close as possible. Locate lines within planting areas wherever possible.

3. All indicated locations of heads and equipment are placed with careful consideration to overlap, protection of the premises, lights, proposed tree locations, and general layout. Coordinate installation of sprinkler irrigation materials, including pipe, so there is no interference with utilities, other construction, or difficulty in planting trees and shrubs. Layout sprinkler heads and make any minor adjustments required due to differences between site and drawings. Adjustments shall be accomplished, maintaining proper sprinkler head coverage and overlap of sprinkler throws.

B. Connections
   1. All connections shall be made into existing lines as indicated on the drawings.
   2. Field verify existing line types in the field.

C. Cutting and Patching
   1. When piping crosses concrete paving and asphalt paving, sawcutting is required. Cut AC paving and/or concrete with concrete sawcutting tools straight and in those locations approved by the District.
   2. Remove concrete and/or AC, base, and soil to the required depth for mainlines.
   3. Concrete walks shall be backfilled entirely with compacted sand. Compact to 95% and patched with new concrete.
   4. AC paving shall be backfilled entirely with a 1-sac sand slurry mix. Compact to 95% and patch with new AC paving.
   5. Concrete paving shall be received medium broom finish.
   6. Remove from site any excavated soil.

D. Trenching and Backfilling
   1. Trench and excavate as necessary to install the system. Excavated material shall be neatly arranged so as to cause a minimum of inconvenience to pedestrian and vehicular traffic. No soil shall be placed on concrete paving without an adequate moisture proof membrane to protect paving.
   2. Trenches for all pipe shall be open vertical construction with firm level bottom and sufficiently wide to provide free working space around the work installed and to provide ample space for backfilling and tamping.
   3. Depth of trenches shall be sufficient to provide a minimum cover above the top of the pipe as follows:
      a) Mains and control wires: 24-inches minimum cover.
      b) PVC laterals: 12-inches minimum cover.
   4. When two (2) pipes are to be placed in the same trench, provide a minimum of 6-inch horizontal clearance. Place pipe side by side; do not install one pipe on top of another.
   5. After the installation is complete and the required tests and inspections have been made and approved, the excavations and trenches shall be backfilled with clean soil, free of rubbish, rocks, and pebbles larger than one-half inch.

E. Plastic Pipe
   1. Do not install multiple assemblies on plastic lines. Provide each assembly with its own outlet.
   2. Install assemblies specified herein in accordance with respective detail. In absence of detail drawings or specifications pertaining to specific items required to complete work, perform such work in accordance with best standard practice.
   3. Clean PVC pipe and fittings before installation. For solvent weld pipe use installation and solvent welding methods as recommended by the pipe and fitting manufacturer. For gasketed pipe installation follow detailed assembly instructions furnished by the manufacturer.
   4. On PVC to metal connections, work the metal connections first. Use non-hardening sealant on all threaded joints. Screw hand tight and ½ turn by wrench. Where threaded PVC connections are required, use threaded PVC adapters into which the pipe may be welded.
   5. Pipe shall have a firm, uniform bearing, for the entire length of each pipeline, to prevent uneven settlement. Pipe shall be snaked from side to side of trench bottom to allow for expansion and contraction. One additional foot per 100 foot of pipe is the minimum allowance for snaking. Never lay PVC pipe when there is water in the trench or when the temperature is 32° F or below.
   6. Use 45° fittings at all changes in depth of pipe. Coupling to be of same materials and wall thickness as pipe.

F. Sprinkler Controller – the irrigation controller is existing.

G. Sprinkler Heads
   1. Prior to installing heads, flush laterals, and risers with full line pressure. Repeat whenever system is opened up for repairs or replacements. Start flushing operation at the highest point of delivery and work to the lowest.
   2. Align all part circle heads so that no spray shall hit building walls or concrete paving.
   3. Adjust all spray nozzles so that there will be no amount of overspray, and so that the entire set will be as evenly balanced as possible.
   4. Install with each lawn area sprinkler head, a “Triple Swing” joint with Schedule 80 PVC nipples and threaded ells.
   5. Install all tree bubblers and drip emitters on PVC flexible hose with two (2) solvent weld male adapters.

3.02 FIELD QUALITY CONTROL

A. Adjustment to System
   1. Flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walk, roadways, and buildings wherever possible.
   2. Select the best degree of arc to fit existing site conditions.
   3. Set all sprinkler heads perpendicular to finished grades unless other designated on the drawings.

3.03 TESTING AND INSPECTION

A. Do not allow or cause any work of this section to be covered up or enclosed until it has been inspected, tested, and approved by the District. Before backfilling the main line, and with all control valves in place, but before lateral pipes are connected, completely flush and test the mainline, and repair all leaks. Flush out each section of lateral pipe before emitters are attached.

B. Make all necessary provisions for thoroughly bleeding the line of air and debris. Before testing, fill the line with water for a period of at least 24 hours.

3.04 FINAL INSPECTION

Thoroughly clean, adjust and balance all systems. Demonstrate the entire system to the District proving that all remote control valves are properly balanced, that all emitters are properly flowing, and that the entire system is installed and is workable, clean, and efficient.

END OF SECTION 32 84 23

SECTION 32 92 19
HYDROSEEDING

PART 1 GENERAL

1.01 DESCRIPTION

This section includes general requirements for the playfield turf hydroseeding procedures.

1.02 SUBMITTALS

Prior to starting work, submit for approval specification cut sheets for all products required. During the progress of the work, provide to the District Inspector Supplier's material invoices indicating all quantities of fertilizers, seed, fiber, mulch, and all materials used to complete the hydroseeding.

1.03 QUALITY ASSURANCE

Hydroseeding work shall be performed by a company with a minimum of five years' experience. Hydroseeding Contractor must hold a valid California State License Classification C-27.

1.04 PROTECTION

Protect adjacent planting areas and building surfaces from overspray.

PART 2 PRODUCTS

2.01 SEED

Seed shall be clearly tagged and labeled showing type of seed, test date, name of supplier and percentage of the following: crop seed, inert matter, weed seed, noxious weeds, and total germination content.

2.02 FIBER

Wood fiber shall be derived from cellulose such as wood pulp or similar organic material. When used in the applied mixture, an absorptive or porous mat will result on the surface of the ground. Add green dye to mix.

2.03 FERTILIZER

Fertilizer shall be per Hydroseed Mix.

2.04 TACKIFIER

Tackifier shall be Ecology Controls M-Binder tackifier.

2.05 HYDROSEED MIX – TURF RENOVATION

A. Hydroseed mix of the following at the rate of twelve pounds per 1,000 square feet (percent by weight):
   1. Seed - Stover "Pro-Sportsfield Elite" seed mix at the rate of 12 pounds per 1,000 square feet.
   2. Fertilizer – (12-12-12) at the rate of 400 pounds per acre.
   3. Soil stabilizer (ecology controls m-binder) at the rate of 160 pounds per acre.
   4. Fiber at the rate of 2,000 pounds per acre.

2.06 WATER

Water shall be clean, fresh, suitable for domestic consumption and free from such amounts of mineral and organic substances that would inhibit seed germination or growth.

2.07 EQUIPMENT

A. Mixing shall be performed in a tank with a built-in continuous agitation and recirculation system of sufficient operating capacity to produce a homogeneous slurry of fiber, soil stabilizer, seed, and water in the specified proportions.

B. The discharge system shall be capable of applying the slurry to the ground surface at a continuous and uniform rate.

PART 3 EXECUTION

3.01 SITE CONDITIONS

Hydroseeding shall not begin prior to approval of the irrigation system and fine grading by the site inspectors.

3.02 MIXING

Seed, fiber, tackifier, fertilizer, and water shall be thoroughly mixed into a homogeneous slurry of the proper consistency to adhere to the ground surface without lumping or running. Slurry must be applied within four (4) hours after mixing or it shall be rejected and removed from the site and replaced at the Contractor's expense.

3.03 CLEAN UP

Any slurry, which is sprayed on adjacent buildings or paved surfaces, shall be thoroughly washed, and removed from the site.

END OF SECTION 32 92 19

SECTION 32 93 33
SHRUB PLANTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. This section includes general requirements for the installation of the shrub planting and the espalier plants.

B. The District shall purchase and deliver to the site (65) 5-gallon shrubs. The Contractor shall lay out the shrubs in their location and when approved by the District, shall install the shrub planting.

1.02 RELATED SECTIONS

Section 32 84 23 – Irrigation Systems
Section 32 93 43 – Tree Planting

1.03 SUBMITTALS

Furnish material invoices indicating the quantities of fertilizers, soil amendments, mulch, and all materials required to complete the Work. Material invoices must be approved by the Landscape Architect prior to incorporating soil amendments. Certificates shall be prepared by the supplier or distributor and shall indicate the quantities and qualities of materials used.

1.04 PROTECTION

Contractor shall check or locate existing structures, electric cables or conduits, utility lines and other existing features or conditions above or below ground level that might be damaged as a result of the operation. Questions or conflicts arising out of such examination prior to or during operation shall be immediately directed to the attention of the District for necessary action or decisions before resuming operation. Contractor shall be responsible for repair or replacement at no cost to the District for features or conditions damaged through failure to comply with the above procedures.

1.05 ALTERNATES

Alternates will not be permitted, except where indicated, and as approved by the Landscape Architect.

PART 2 PRODUCTS

2.01 MATERIALS – LANDSCAPE

A. (65) 5-gallon shrubs shall be purchased and delivered to site by PVSD for Contractor to position and plant.

B. Soil amendments: organic soil amendment shall be Agromin “Agromend,” or equal.

C. Backfill material shall be:
1. $^1/_3$ organic soil amendment
2. $^2/_3$ existing site soil.
3. Commercial Fertilizer (15-15-15), 1 lb./cu. yd.
4. Iron, Zinc, Manganese, 1 oz. /cu. yd.

D. Soil preparation materials per 1,000 square feet:
1. Three cubic yards of organic soil amendment
2. Commercial Fertilizer (15-15-15), eight pounds

E. Mulch shall be Agromin “Garden Mulch” or equal.

F. Pre-Emergent herbicide – product ‘Dimension’.

G. Redwood header shall be 2” x 4” nominal size, staked into place with redwood stakes and wood screws.

PART 3 EXECUTION

3.01 SITE CONDITION

No plant materials shall be planted until all operations in conjunction with the installation of the irrigation system have been approved by the District and the Landscape Architect. Final grades shall be established, and the planting areas shall be properly prepared and graded.

3.02 GROUND PREPARATION – ALL AREAS

A. After the site clearance and preparation has been approved by the District, planted areas shall be thoroughly cultivated to a depth of six inches to reduce any compaction caused by the Work. Protect existing tree roots.

B. Stones or rocks over 1” in size, construction refuse, and other deleterious material shall be removed from the site, safely and legally.

C. Apply soil preparation materials to all planting areas and thoroughly incorporate into the top six inches of soil.

D. Wet soil thoroughly and allow to settle. Repeat this compaction procedure until soil is stable enough to permit aeration and drainage for plant material.

E. Finish grade all planting areas to a smooth, uniform surface ready for planting. Finish grade shall be one inch below finish grade of adjacent paved surfaces unless otherwise noted on Drawings.

3.03 PLANTING – SHRUBS

A. Shrub planting shall comply with details on drawings.

B. Make necessary adjustments and excavate pits of square outline and vertical sides for all plants. Scarify sides and bottoms of all plant pits. Set trees vertical.

C. At all times, protect roots and rootball of plants from drying.

D. If directed by the Landscape Architect, the Contractor shall prune plants in accordance with standard horticultural practice.

3.04 PRE-EMERGENT HERBICIDE

Broadcast pre-emergent herbicide product 'Dimension' over surface of exposed soil in shrub planters at rate per Manufacturer's specifications. Herbicide shall be applied prior to wood mulch installation.

3.05 MULCH

Install three-inch layer of mulch throughout shrub areas without groundcover. Finish grade shrub areas to a smooth uniform surface to receive mulch. Keep mulch away from tree and shrub crown. Dress mulch areas to present a clean uniform appearance when complete.

END OF SECTION 32 93 33

SECTION 32 93 43
TREE PLANTING

PART 1 GENERAL

1.01 SECTION INCLUDES

This section includes general requirements for the installation of trees.

1.02 SUBMITTALS

A. Furnish material invoices indicating the quantities of fertilizers, soil amendments, and all materials delivered to the jobsite. Material invoices must be approved by the Landscape Architect prior to incorporating soil amendments. Certificates shall be prepared by the supplier or distributor and shall indicate the quantities and qualities of materials used.

B. Plant Material – submit clear photos of all plant material specified taken and the source. Indicate plant material height and spread measured at the source. Photos must clearly show the plant quality and size. The Landscape Architect will determine if the photos meet the specifications and if further site inspection at the nursery is required or if another source is required to produce the specified plant material.

1.03 PROTECTION

A. Contractor shall check or locate existing structures, electric cables or conduits, utility lines and other existing features or conditions above or below ground level that might be damaged because of the operation. Questions or conflicts arising out of such examination prior to or during operation shall be immediately directed to the attention of the District for necessary action or decisions before resuming operation. Contractor shall be responsible for repair or replacement at no cost to the District for features or conditions damaged through failure to comply with the above procedures.

B. Protect existing trees and tree roots from any damage that may be caused by the Work.

1.04 QUALITY

All trees shall have a growth habit normal to the species and shall be sound, healthy, vigorous, and free from insect pests, plant diseases, sun scalds, fresh bark abrasions, excessive abrasions, or other objectionable disfigurements. Tree trunks shall be sturdy and well “hardened off.” All trees shall have normal well-developed branch systems, and vigorous and fibrous roots systems which are neither root bound, nor pot bound and are free of kinked or girdling roots.

1.05 ALTERNATES

Alternates will not be permitted, except where indicated, and as approved by the Landscape Architect.

1.06 GUARANTEE

All trees shall be guaranteed for one year. This guarantee is in addition to, and not a limitation other rights the District may have under the Contract Document.

PART 2 PRODUCTS

2.01 MATERIALS – LANDSCAPE

A. Trees: varieties, sizes, and quantities, as noted on plans.

B. Tree Stakes: tree stakes shall be 2" diameter Lodgepole Pine, pressure treated with Chemonite (ACZA) @ 0.40 pounds per cubic foot, for in-ground rating. Stakes shall be 10 feet long. Horizontal supports shall be 1 x 6 cedar.

C. Tree Ties: tree ties shall be virgin flexible vinyl, meeting ASTM D-412, with U.V. inhibitor. 24" inches long. (Cinch Ties of eq.)

D. Root barrier shall be high density polyethylene flat panels, 24 inches long by 18 inches deep, thickness 0.085 inch with vertical ribs at six inches on center with formed connectors that connect panels to the specified total required length.

E. Soil Amendments: organic soil amendment shall be Agromin "Agromend," or equal.

F. Backfill Material shall be:
1. 1/3 organic soil amendment
2. 2/3 existing site soil.
3. Commercial Fertilizer (15-15-15), 1 lb./cu. yd.
4. Iron, Zinc, Manganese, 1 oz. /cu. yd.

PART 3 EXECUTION

3.01 SITE CONDITION

No trees shall be planted until all operations in conjunction with the installation of the irrigation system have been approved by the District and the Landscape Architect. Final grades shall be established, and the planting areas shall be properly prepared and graded.

3.02 TREE PLANTING PITS

A. Excavate tree planting pits 12 inches wider than the tree box size on all sides and excavate to a depth that allows the tree crown (finish grade at the top of the box) to set two inches above the adjacent finish grades. Scarify the sides of the tree pit.

B. Thoroughly blend the backfill mix and apply water while backfilling. Tree root ball, plant pit and backfill material must be moist for the duration of installation. After tree is set plumb and staked, build temporary berm and fill basin with water. At all times, do not allow the tree root ball to dry out.

C. Stake tree as per details and, if necessary, trim top of tree stakes so no scaffold branches can rub against the tree stakes. Stakes and ties shall be set so that the tree is supported without leaning. Remove nursery stakes on trees immediately after the tree is staked.

3.03 TREE PRUNING

If directed by the Landscape Architect, remove specific branches or prune adhering to the ANSI A300 pruning standards.

3.04 ROOT BARRIER

Install tree root barriers in the total lengths and manner as shown on the plans and details. The vertical root deflecting ribs shall be facing inwards to the rootball, and the double top edge shall be set 2 inches above the finish grade. Connect panels with the flexible joiner strips to the required overall length shown on the legend. Install panels straight, uniform in a vertical position.

END OF SECTION 32 93 43

SECTION 32 94 60
LANDSCAPE MAINTENANCE

PART 1 GENERAL

1.01 MAINTENANCE PERIOD

There is no extended landscape maintenance period with this project. Once the PVSD Inspectors have accepted the irrigation and planting work as complete, the Contractor shall be released from the landscape scope of work.

END OF SECTION 32 94 60