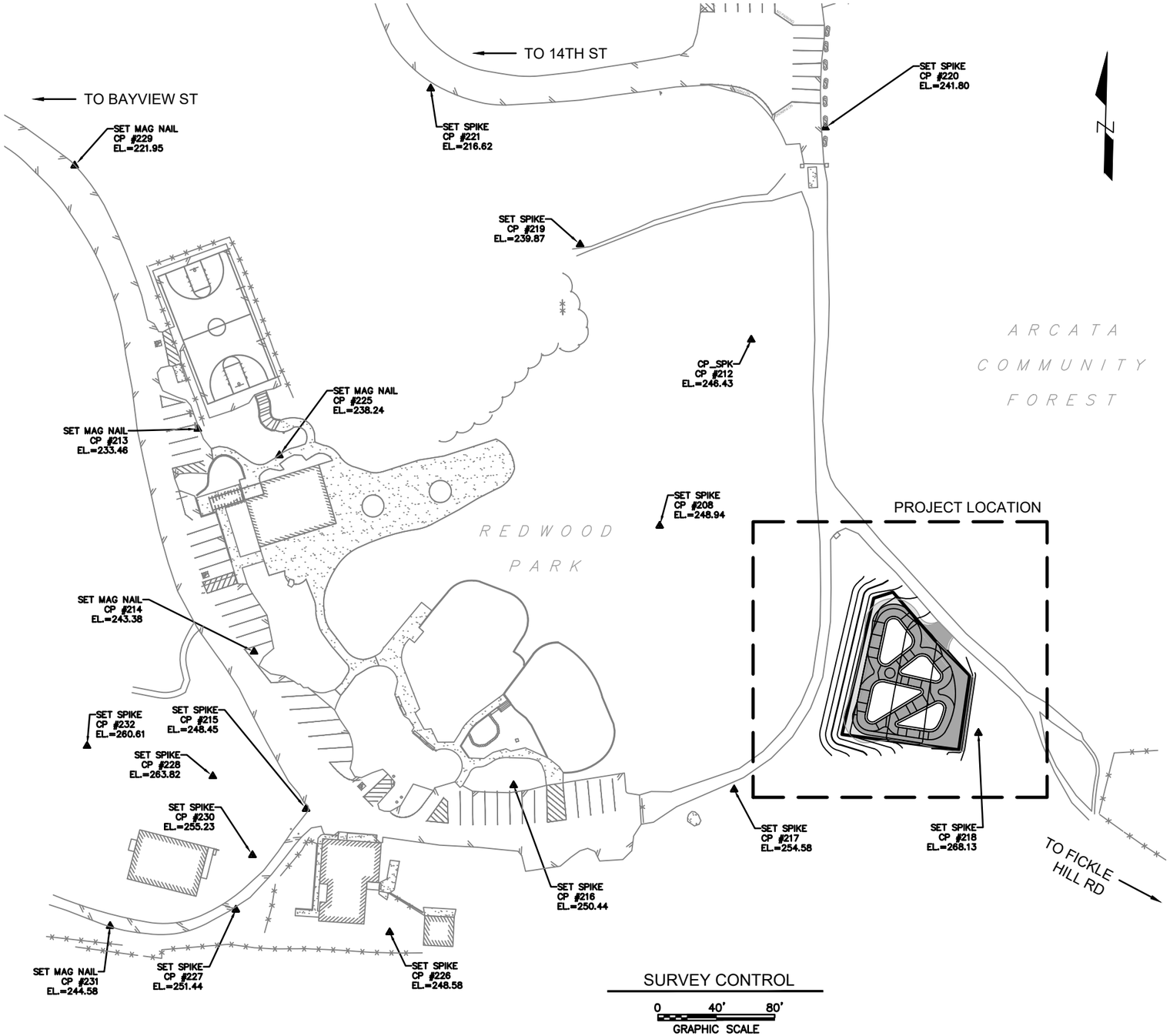


LEGEND

- EDGES OF PAVEMENT
- 250 EXISTING GROUND CONTOURS
- FENCE LINE
- TOP OF SLOPE
- TOE OF SLOPE / GRADE BREAK
- DRAINAGE FLOW LINE
- UE ELECTRIC LINE (UNDERGROUND)
- OHE ELECTRIC LINE (OVERHEAD)
- OHE&T OVERHEAD ELECTRIC & TELEPHONE
- JT JOINT UTILITY TRENCH
- G GAS LINE
- SS SANITARY SEWER LINEGUY WIRE
- W WATER LINE
- GUY GUY ANCHOR
- JP JOINT UTILITY POLE
- STREET LAMPS
- WATER METER
- WV WATER VALVE
- IRR IRRIGATION VALVE
- BFP BACK FLOW PREVENTER
- SSMH SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT

SHEET INDEX

PROJECT DESCRIPTION

THE PROPOSED PROJECT CONSISTS OF A HOT MIX ASHPALT PAVED PUMPTRACK AND ASSOCIATED SITE GRADING AND DRAINAGE. THE PROJECT IS LOCATED IN REDWOOD PARK APN 020-011-002, ARCATA, CA.

CONTROL POINTS

205	2207403.52	5987375.18	105.73	SET 12IN SPIKE
206	2207206.21	5987241.55	92.90	SET 12IN SPIKE
208	2206692.10	5988630.02	248.94	SET 12IN SPIKE
209	2207395.60	5987494.62	107.82	SET 12IN SPIKE
211	2207444.39	5987520.17	113.59	SET MAG NAIL
212	2206819.74	5988692.81	246.43	SET 12IN SPIKE
213	2206758.50	5988313.16	233.46	SET MAG NAIL
214	2206605.66	5988351.81	243.38	SET MAG NAIL
215	2206497.87	5988387.47	248.45	SET 12IN SPIKE
216	2206514.11	5988529.85	250.44	SET 12IN SPIKE
217	2206511.20	5988681.08	254.58	SET 12IN SPIKE
218	2206549.95	5988848.61	268.13	SET 12IN SPIKE
219	2206885.12	5988575.43	239.87	SET 12IN SPIKE
220	2206965.19	5988743.65	241.80	SET 12IN SPIKE
221	2206991.95	5988472.98	216.62	SET 12IN SPIKE
222	2207119.91	5988751.85	241.55	SET 12IN SPIKE
223	2207112.58	5988582.58	226.11	SET 12IN SPIKE
224	2207074.60	5988560.17	230.37	SET 12IN SPIKE
225	2206740.45	5988369.16	238.24	SET MAG NAIL
226	2206413.24	5988444.83	248.58	SET 12IN SPIKE
227	2206428.74	5988339.33	251.44	SET 12IN SPIKE
228	2206520.26	5988323.51	263.82	SET 12IN SPIKE
229	2206939.08	5988228.74	221.95	SET MAG NAIL
230	2206466.14	5988350.68	255.23	SET 12IN SPIKE
231	2206417.57	5988253.06	244.58	SET MAG NAIL
232	2206541.00	5988237.26	260.61	SET 12IN SPIKE

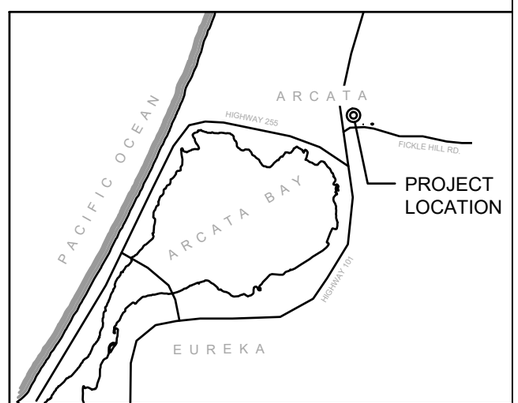
SURVEY NOTES

1. The purpose of this survey is to determine topography in two distinct areas of Redwood Park to facilitate Master Planning and future improvements to the park. Field work was performed by Points West Surveying October 13 through October 30, 2015.

2. Underground utilities shown hereon are based on ties made in the field to visible utility structures and information provided by the City of Arcata and PG&E . All utility information supplied to us was schematic in nature. No drawings of existing structures showing underground utility or irrigation system routing were supplied to Points West Surveying. Underground utility routing shown is approximate only and incomplete due to these limitations on known locations. Potholing of utilities should be performed before relying on any underground utility routing shown hereon to confirm the exact locations of underground utilities shown or not shown hereon. See Underground Utility Note below.

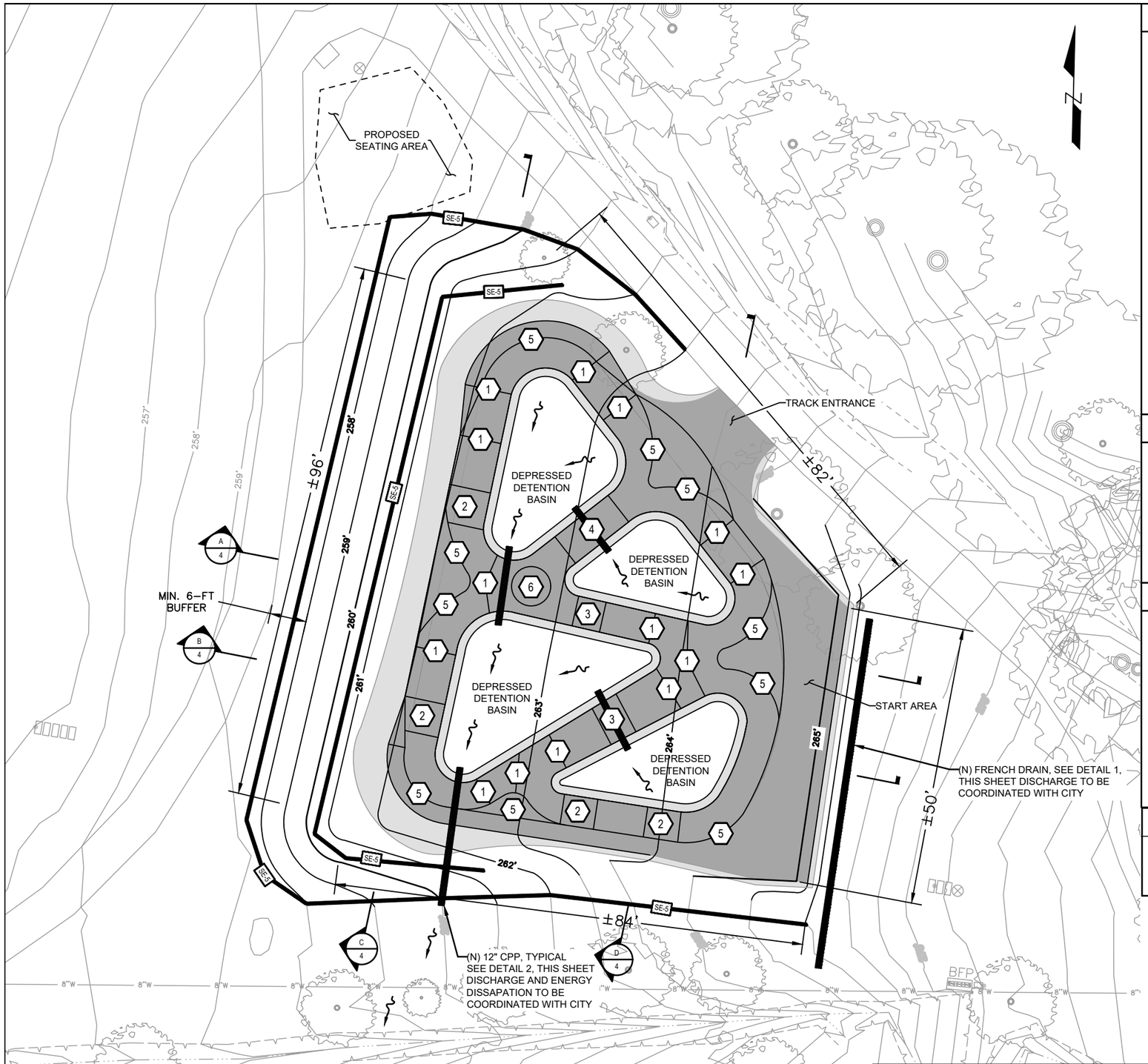
3. Coordinates for this survey are California Coordinate System of 1983 (CCS83) based on a static GPS Control Survey. The mapping angle is 1 degree 21 minutes 38 seconds- rotate bearings counterclockwise by this angle to obtain "True" or Geodetic bearings. Grid distances shown should be divided by the Combined Scale factor of 0.99989533 to obtain ground distances. Horizontal control is NAD 83 (2011) based on NGS PID "AC9254", a NGS HPGN Network point in Arcata (2010.0 Epoch). Vertical control is based on NGS PID "LV0608", NAVD 88 datum.

4. Tree locations were taken by offsets shots to center of tree at breast height. Size and type of tree are contained within point data. Only trees 12 inch and bigger were located; tree locations and exact sizes are approximate.



REDWOOD PARK PUMP TRACK
COVER SHEET
CITY OF ARCATA, CA 95521

REDWOOD COAST MOUNTAIN BIKE ASSOCIATION
ARCATA, CA
INFO@REDWOODCOASTMTB.ORG



GRADING AND DRAINAGE PLAN

0 10' 20'

GRAPHIC SCALE

EROSION CONTROL NOTES

1. AT A MINIMUM, THE CONTRACTOR SHALL EMPLOY THE FOLLOWING BEST MANAGEMENTPRACTICES (BMPS) AS DESCRIBED IN THE CURRENT CALIFORNIA STORMWATER BMP HANDBOOK FOR CONSTRUCTION (WWW.CASQA.ORG):
   - EC-1 SCHEDULING
   - EC-4 HYDROSEEDING
   - SE-1 SILT FENCE
   - SE-5 FIBER ROLLS
   - SE-7 STREET SWEEPING AND VACUUMING
   - SE-10 STORM DRAIN INLET PROTECTION
   - WE-1 WIND EROSION CONTROL
   - NS-3 PAVING AND GRINDING OPERATIONS
   - NS-9 VEHICLE EQUIPMENT AND FUELING
   - NS-10 VEHICLE & EQUIPMENT MAINTENANCE
   - TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
   - TC-3 ENTRANCE/OUTLET TIRE WASH
   - WM-1 MATERIALS DELIVERY AND STORAGE
   - WM-2 MATERIAL USE
   - WM-3 STOCKPILE MANAGEMENT
   - WM-4 SPILL PREVENTION AND CONTROL
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EROSION AND PREVENT THE TRANSPORT OF SEDIMENT TO SENSITIVE AREAS.
3. SUFFICIENT EROSION CONTROL SUPPLIES SHALL BE AVAILABLE ON-SITE AT ALL TIMES TO DEAL WITH AREAS SUSCEPTIBLE TO EROSION DURING RAIN EVENTS.
4. MINIMIZE DISTURBANCE OF EXISTING VEGETATION TO THAT NECESSARY TO COMPLETE THE WORK.
5. THE CONTRACTOR SHALL MAKE ADEQUATE PREPARATIONS, INCLUDING TRAINING & EQUIPMENT, TO CONTAIN SPILLS OF OIL AND OTHER HAZARDOUS MATERIALS.
6. THE CONTRACTOR SHALL PROVIDE SANITARY FACILITIES OF SUFFICIENT NUMBER AND SIZE TO ACCOMMODATE CONSTRUCTION CREWS AND ENSURE ADEQUATE ANCHORAGE OF SUCH FACILITIES TO PREVENT THEM FROM BEING TIPPED BY THE WEATHER OR VANDALISM.
7. VEHICLE AND EQUIPMENT & MAINTENANCE SHOULD BE PERFORMED OFF-SITE WHENEVER PRACTICAL.
8. SOIL STOCKPILES SHALL BE COVERED, AND LOCATED AT LEAST 50 FEET AWAY FROM DRAINAGE CHANNELS AND STORMWATER SYSTEMS.
9. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM.
10. ALL SEDIMENT DEPOSITED ON PAVED SURFACES SHALL BE SWEPT AT THE END OF EACH WORKING DAY, AS NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. A STABILIZED CONSTRUCTION ENTRANCE MAY BE REQUIRED TO PREVENT SEDIMENT FROM BEING DEPOSITED ON PAVED ROADWAYS.
11. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE TO THEIR RESPECTIVE BMP FACT SHEET UNTIL DISTURBED AREAS ARE STABILIZED.
12. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
13. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY THE OWNER'S REPRESENTATIVE TO PREVENT EROSION AND CONTROL SEDIMENT.
14. PRIOR TO FINAL ACCEPTANCE ALL DISTURBED AREAS OF THE SITE SHALL BE PERMANENTLY STABILIZED WITH HYDROSEED BY CONTRACTOR AND TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED AS DIRECTED.

TYPICAL TRACK FEATURES

1.	SINGLE ROLLER	DETAIL 1, SHEET 4
2.	DOUBLE	DETAIL 2, SHEET 4
3.	TABLE TOP	DETAIL 3, SHEET 4
4.	TRIPLE	DETAIL 4, SHEET 4
5.	BERM	DETAIL 5, SHEET 4
6.	DOME	DETAIL 6, SHEET 4

EARTHWORK VOLUMES

	CUT (CY)	FILL (CY)	NET (CY)
TRACK BASE (CLASS II AB)	70	405	335
PUMP TRACK FEATURES (CLASS II AB)	0	320	320
PUMP TRACK SURFACE (HMA)	0	30	30
TOTAL	70	755	685

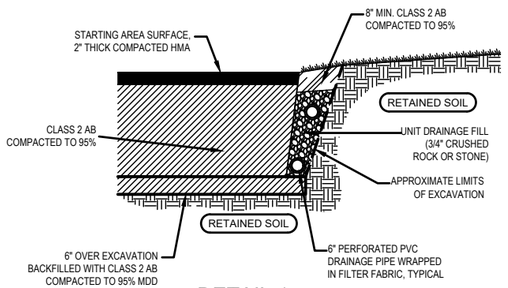
GRADING NOTES

1. ALL FILL MATERIAL SHOULD BE FREE FROM ROOTS AND OTHER ORGANIC MATTER, CONTAMINATION FROM HAZARDOUS, TOXIC, OR RADIOLOGICAL SUBSTANCES, TRASH, DEBRIS, AND FROZEN OR OTHER DELETRIOUS MATERIALS.
2. ANY FILL MATERIAL SHALL BE KEYED INTO NATIVE MATERIAL DURING INSTALLATION.
3. CUTS SHALL NOT EXCEED 3-FT PER 2021 SOILS INVESTIGATION PREPARED BY SHN.
4. ALL FILL MATERIAL SHALL BE CLASS II AGGREGATE BASE COMPACTED TO 95%
5. TRACK SURFACE SHALL HAVE CROSS SLOPES OF 2-3% TO THE GREATEST EXTENT FEASIBLE, SLOPING AWAY FROM TRACK OR TOWARD DETENTION BASINS.
6. PLACEMENT OF FEATURES MAY VARY AND TO BE FIELD FIT.

EROSION CONTROL LEGEND

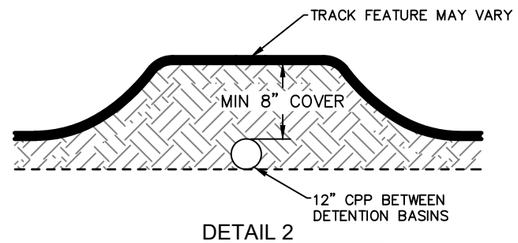
DIRECTION OF SURFACE RUNOFF

SE-5 STRAW WATTLE SEDIMENT BARRIER



DETAIL 1

NOT TO SCALE

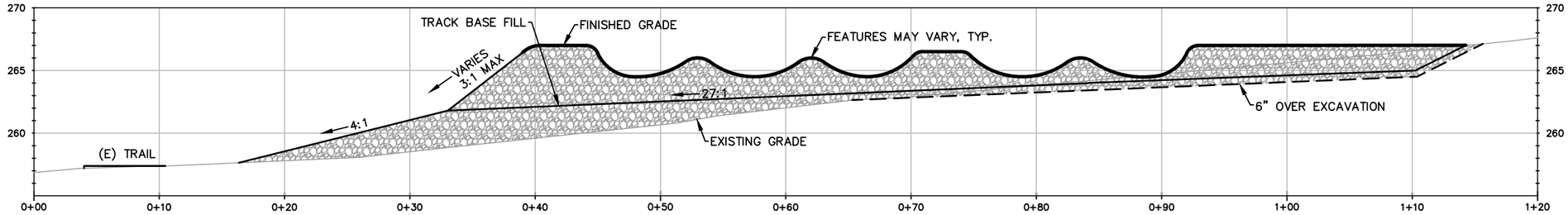


DETAIL 2

NOT TO SCALE

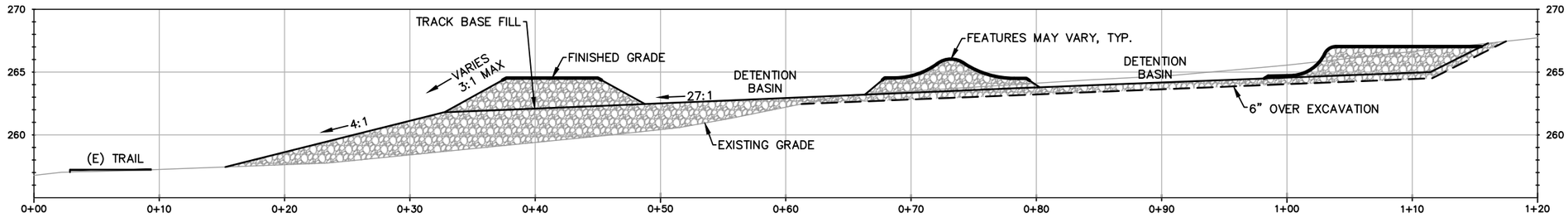
REDWOOD PARK PUMP TRACK
GRADING AND DRAINAGE PLAN
CITY OF ARCATA, CA 95521

REDWOOD COAST MOUNTAIN BIKE ASSOCIATION
ARCATA, CA
INFO@REDWOODCOASTMTB.ORG



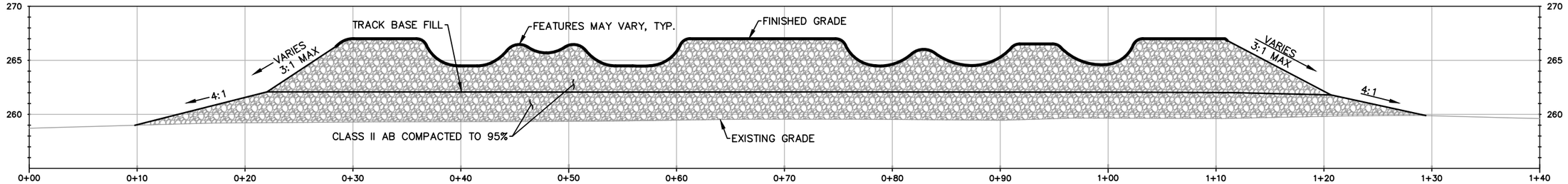
SECTION A

0 5' 10'
GRAPHIC SCALE



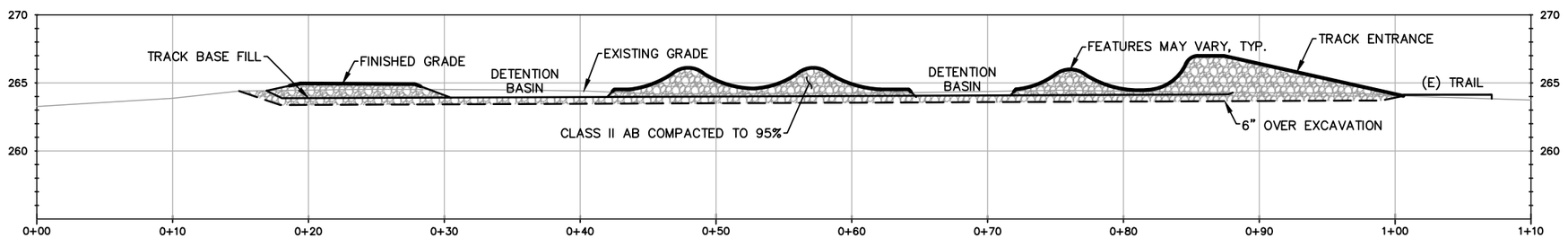
SECTION B

0 5' 10'
GRAPHIC SCALE



SECTION C

0 5' 10'
GRAPHIC SCALE



SECTION D

0 5' 10'
GRAPHIC SCALE

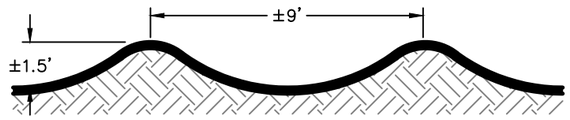
REDWOOD PARK PUMP TRACK
PROFILES

CITY OF ARCATA, CA 95521

REDWOOD COAST MOUNTAIN BIKE ASSOCIATION
ARCATA, CA
INFO@REDWOODCOASTMTB.ORG

NOTES:

- ALL DIMENSIONS SHOWN ARE ESTIMATIONS BASED ON VARIOUS CONSTRUCTED TRACKS AND ARE LIKELY TO VARY.
- SUB BASE FOR ALL FEATURES TO BE CLEAN, APPROVED IMPORTED FILL COMPACTED BY HAND WITH VIBRATORY PLATES AND/OR BY MACHINE ROLLERS.
- SUB BASE OF ENTIRE TRACK TO BE 3/8" MINUS BASE ROCK COMPACTED BY HAND WITH VIBRATORY PLATES AND/OR BY MACHINE ROLLERS.
- BASE ROCK TO BE CAPPED WITH 2" THICK HOT MIX ASPHALT COMPACTED BY HAND WITH VIBRATORY PLATES AND/OR BY MACHINE ROLLER.
- ALL FEATURES SHALL HAVE A CROSS SLOPE OF 2-3%, EITHER DRAINING AWAY FROM TRACK OR INTO DETENTION BASINS.
- VERTICAL RADIUS OF FEATURES VARY.



DETAIL 1

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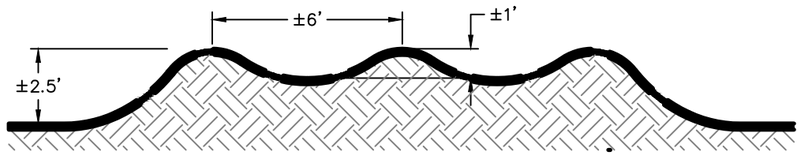

DETAIL 4

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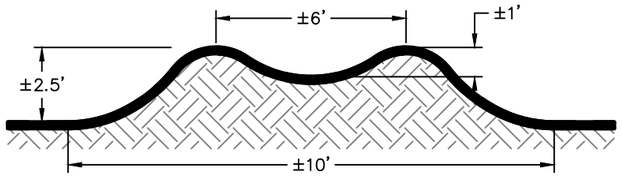
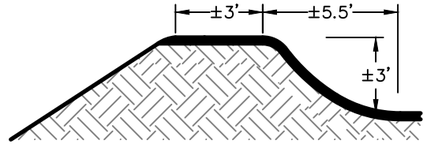


DETAIL 2

NOT TO SCALE



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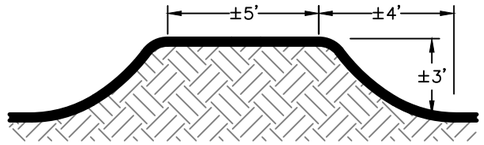

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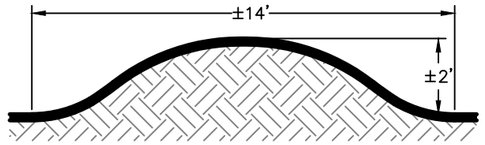

DETAIL 6

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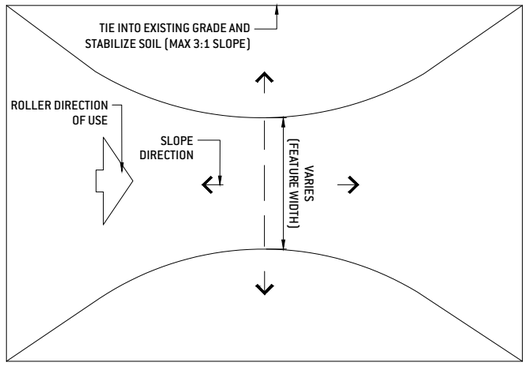

TYPICAL FEATURE PLAN VIEW

NOT TO SCALE

REDWOOD PARK PUMP TRACK
TYPICAL DETAILS
CITY OF ARCATA, CA 95521

REDWOOD COAST MOUNTAIN BIKE ASSOCIATION
ARCATA, CA
INFO@REDWOODCOASTMTB.ORG

SHEET 4 OF 4