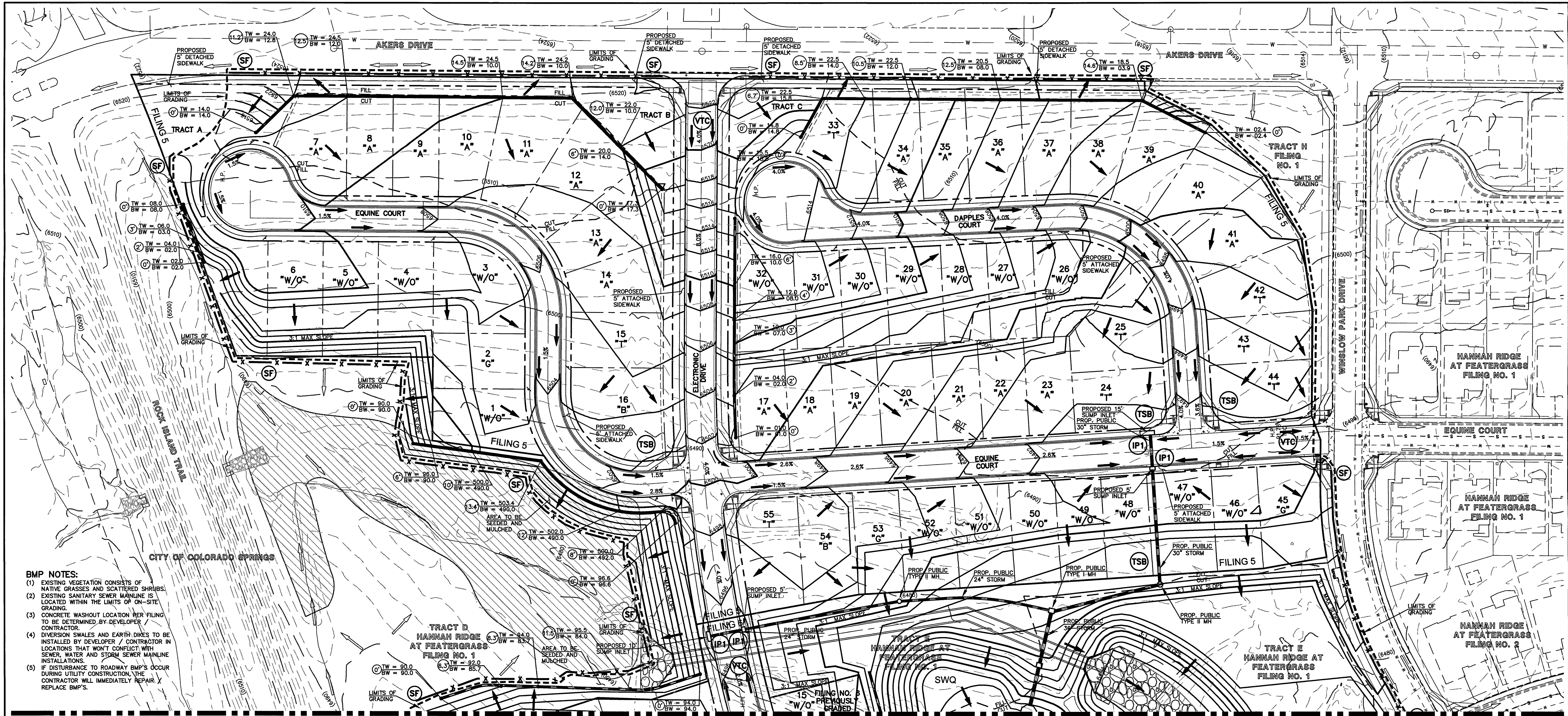


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- BMP NOTES:**
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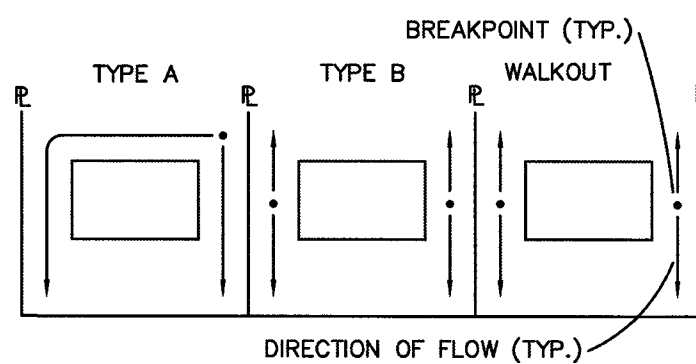
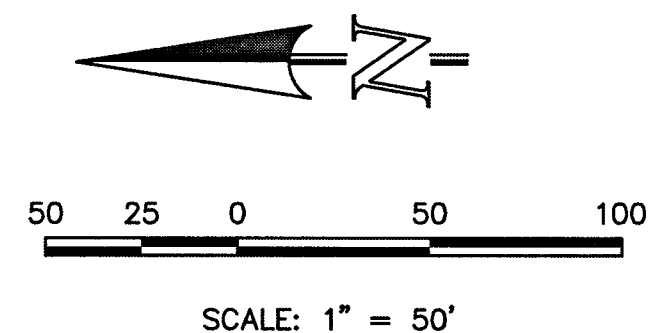
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LOT DRAINAGE TYPES

NOTE:
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SEE SHEET 3

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LEGEND

- | | | | |
|--------|---------------------------|-------|--------------------------|
| (6770) | EXISTING CONTOUR | TSB | PROPOSED RETAINING WALL |
| 6770 | PROPOSED CONTOUR | (TSB) | TEMPORARY SEDIMENT BASIN |
| --- | FILING LINE | (SF) | SILT FENCE |
| --- | BOUNDARY/R.O.W. LINE | (IP) | INLET PROTECTION |
| → | EXISTING FLOW DIRECTION | (VTC) | VEHICLE TRACKING CONTROL |
| → | PROPOSED FLOW | | |
| "A" | A LOT | | |
| "B" | B LOT | | |
| "W/O" | WALKOUT LOT | | |
| "T" | TRANSITION LOT | | |
| "G" | GARDEN LOT | | |
| □ | PROPOSED INLET | | |
| --- | PROPOSED STORM SEWER PIPE | | |
| HP | PROPOSED HIGH POINT | | |
| LP | PROPOSED LOW POINT | | |

NOTE:
SEE SHEET 5 FOR LOT TEMPLATES
SEE SHEET 5 FOR EROSION CONTROL DETAILS

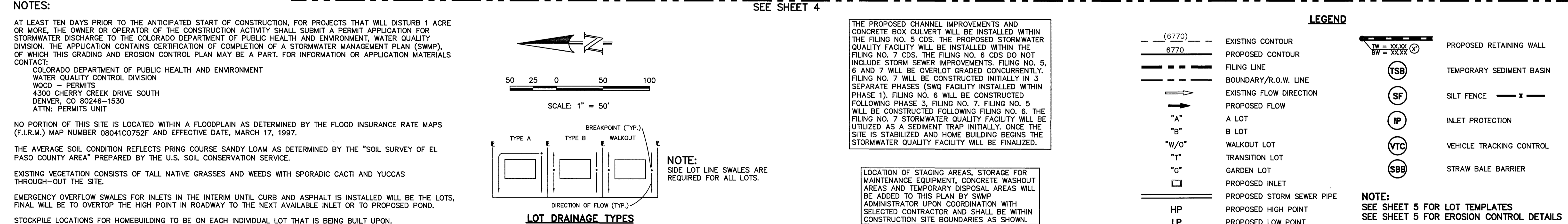
SF-18-038, 039, 040

| | | | | | | | |
|--|--|------------------|--|-------------------------|--|--|--|
| 48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW | | NO. REVISION | | DATE | | REVIEW: | |
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| | | | | | | DATE: 10/12/18 | |
| | | | | | | SHEET 2 OF 14 | |
| HANNAH RIDGE AT FEATHERGRASS FILING NO. 5, 6 & 7 OVERLOT GRADING AND EROSION CONTROL PLAN | | DESIGNED BY: KRC | | SCALE: (H) 1" = 50' | | DATE: 10/12/18 | |
| | | DRAWN BY: KC | | CHECKED BY: (V) 1" = NA | | JOB NO. 1116.07 | |



619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

KYLE R. CAMPBELL, COLORADO PROFESSIONAL ENGINEER
29794
DATE: 10/12/18




ALL RETAINING WALLS TO BE STACKED BLOCK WALLS.
BUILDING PERMIT REQUIRED FOR WALLS 4' OR TALLER.

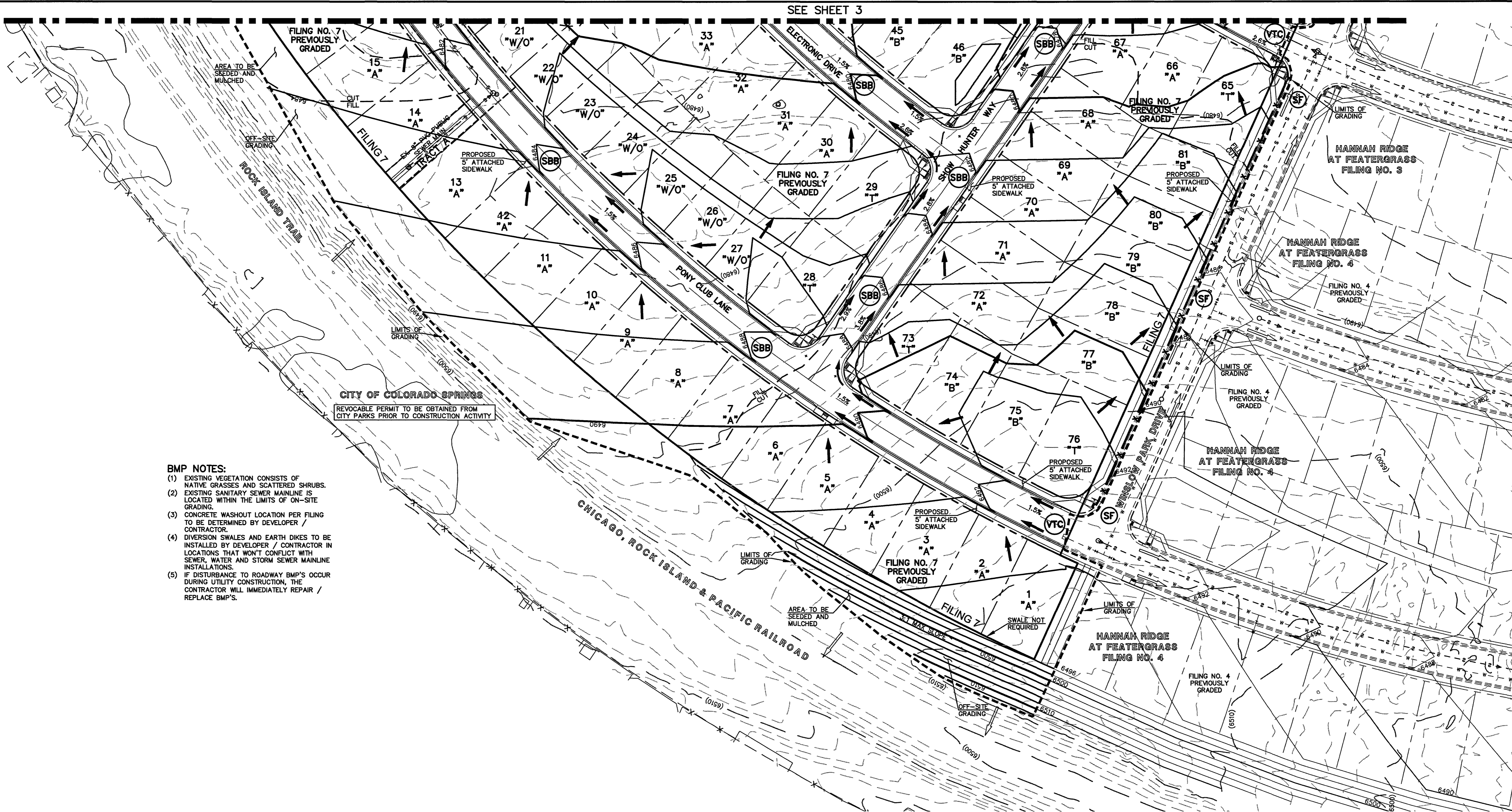
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SF-18-038, 039, 040


CLASSICSM
**CONSULTING
ENGINEERS & SURVEYORS**

619 N. Cascade Avenue, Suite 200 (719) 785-0790
Colorado Springs, Colorado 80903 (719) 785-0799/fmx



BMP NOTES:

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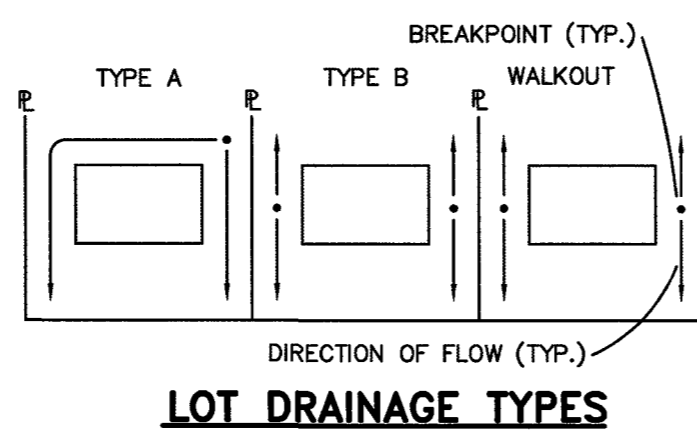
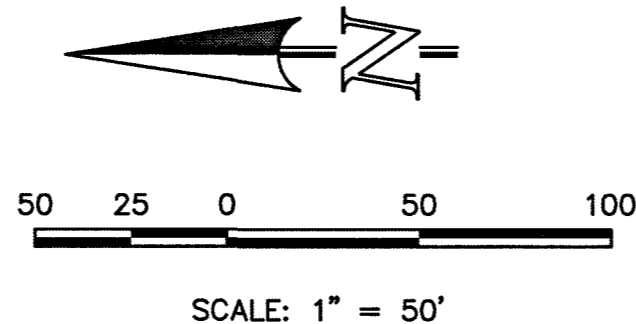
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| 6770 | PROPOSED CONTOUR | (TSB) | TEMPORARY SEDIMENT BASIN |
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| → | EXISTING FLOW DIRECTION | (VTC) | VEHICLE TRACKING CONTROL |
| → | PROPOSED FLOW | (SBB) | STRAW BALE BARRIER |
| "A" | A LOT | | |
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SF-18-038, 039, 040

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|---|---|-------------|---------|----------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|-------------|-----|-------|------|----------|----------|----|-------------|-------|---------|------------|------------|---------|---------|--|
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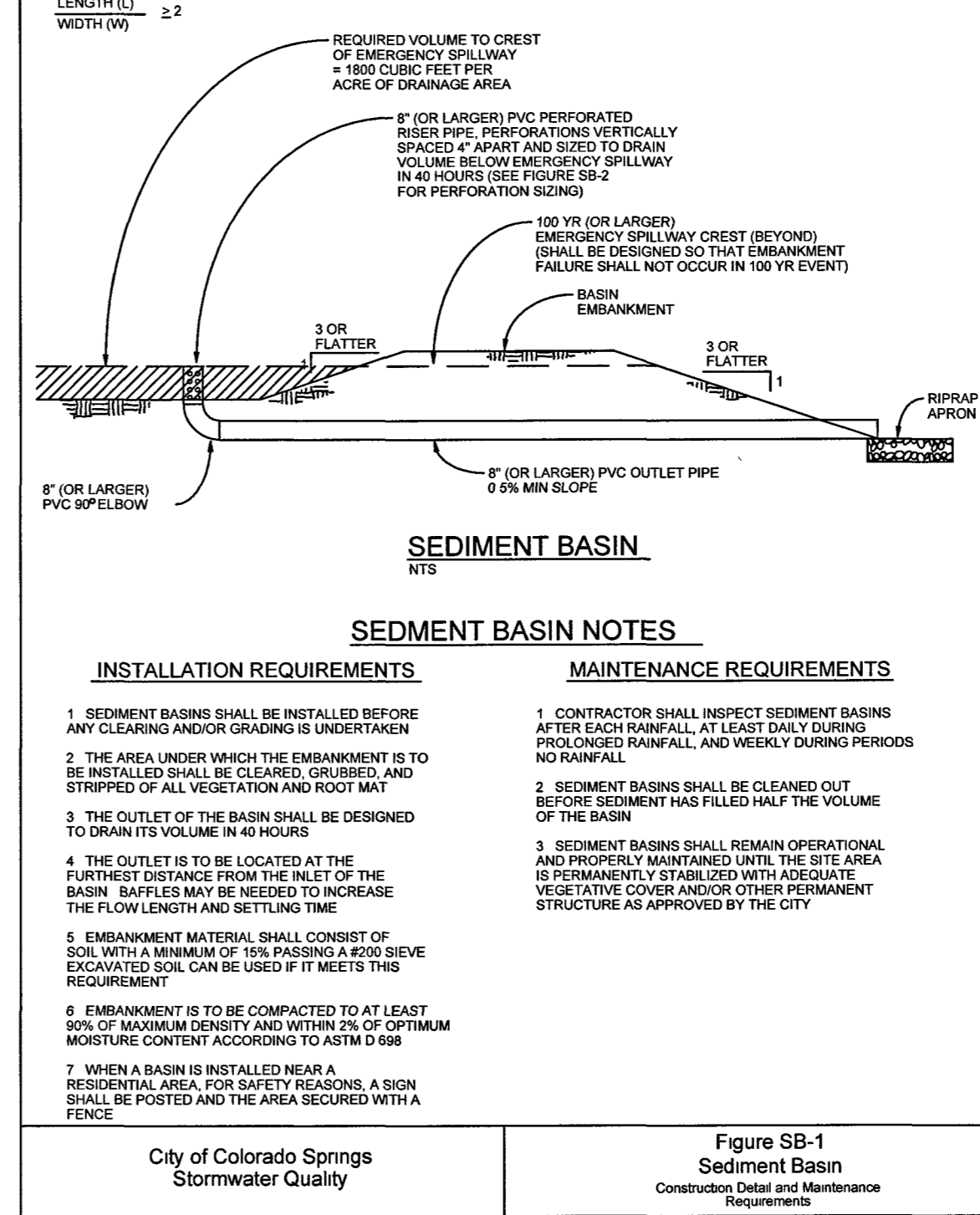
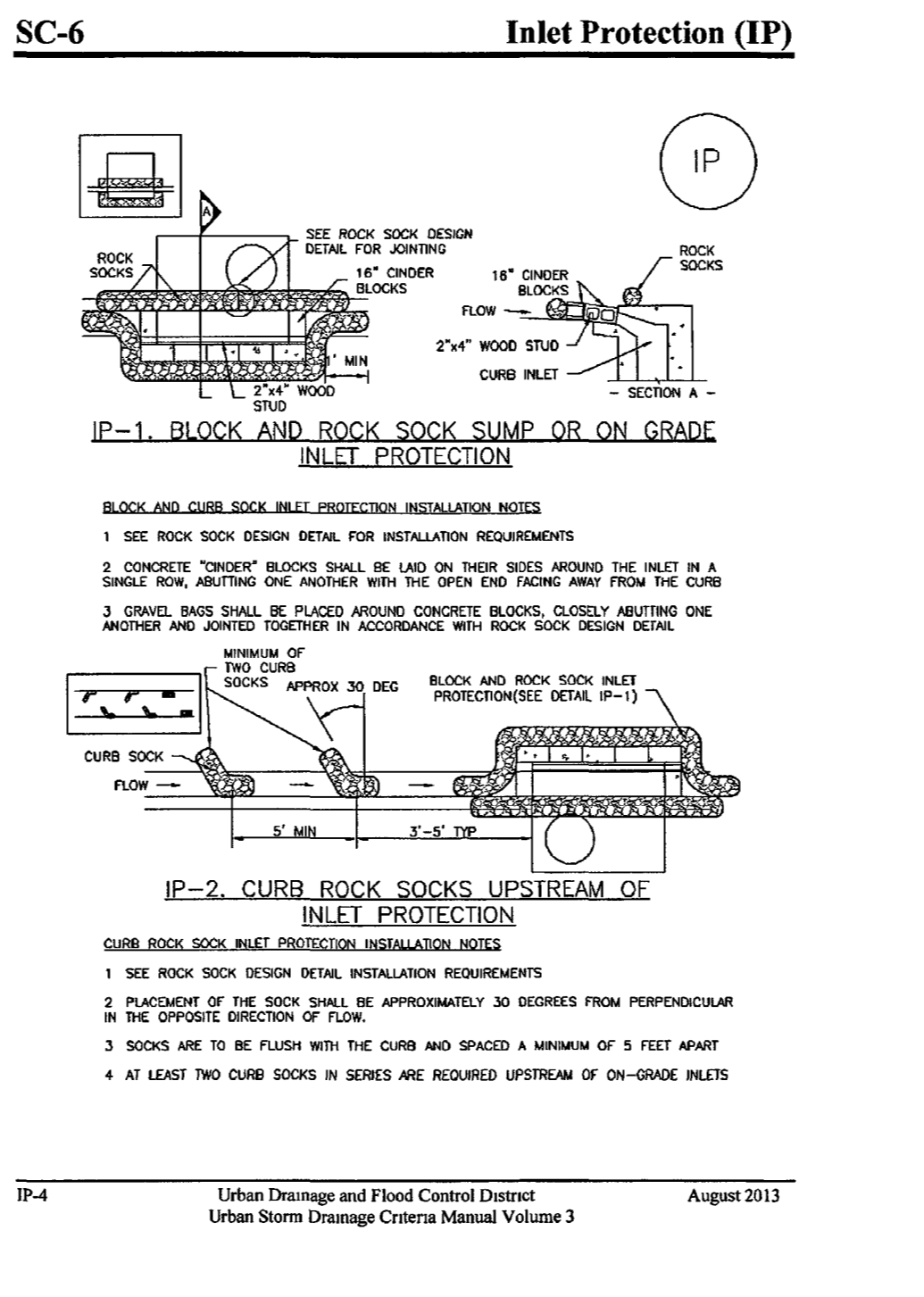
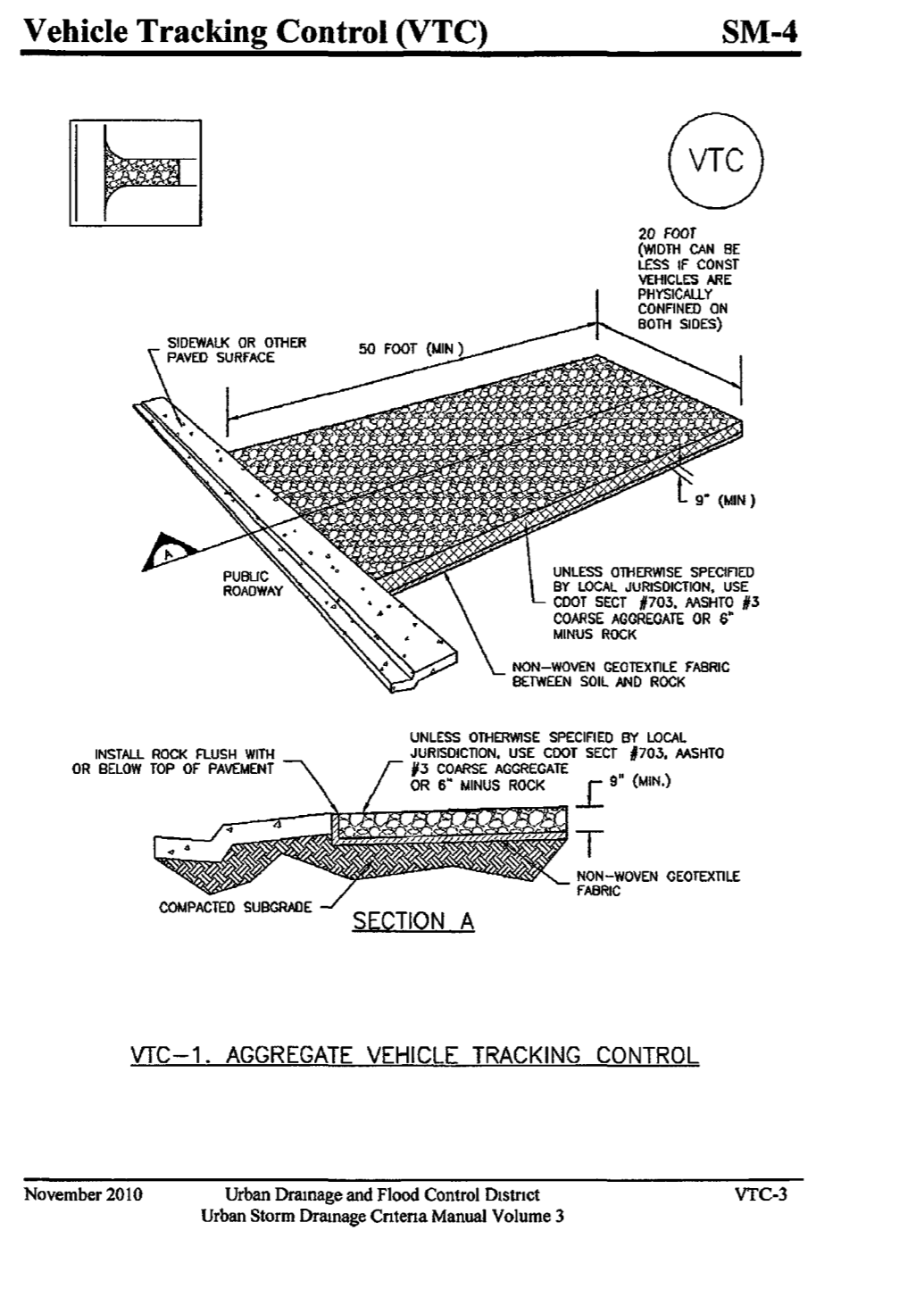
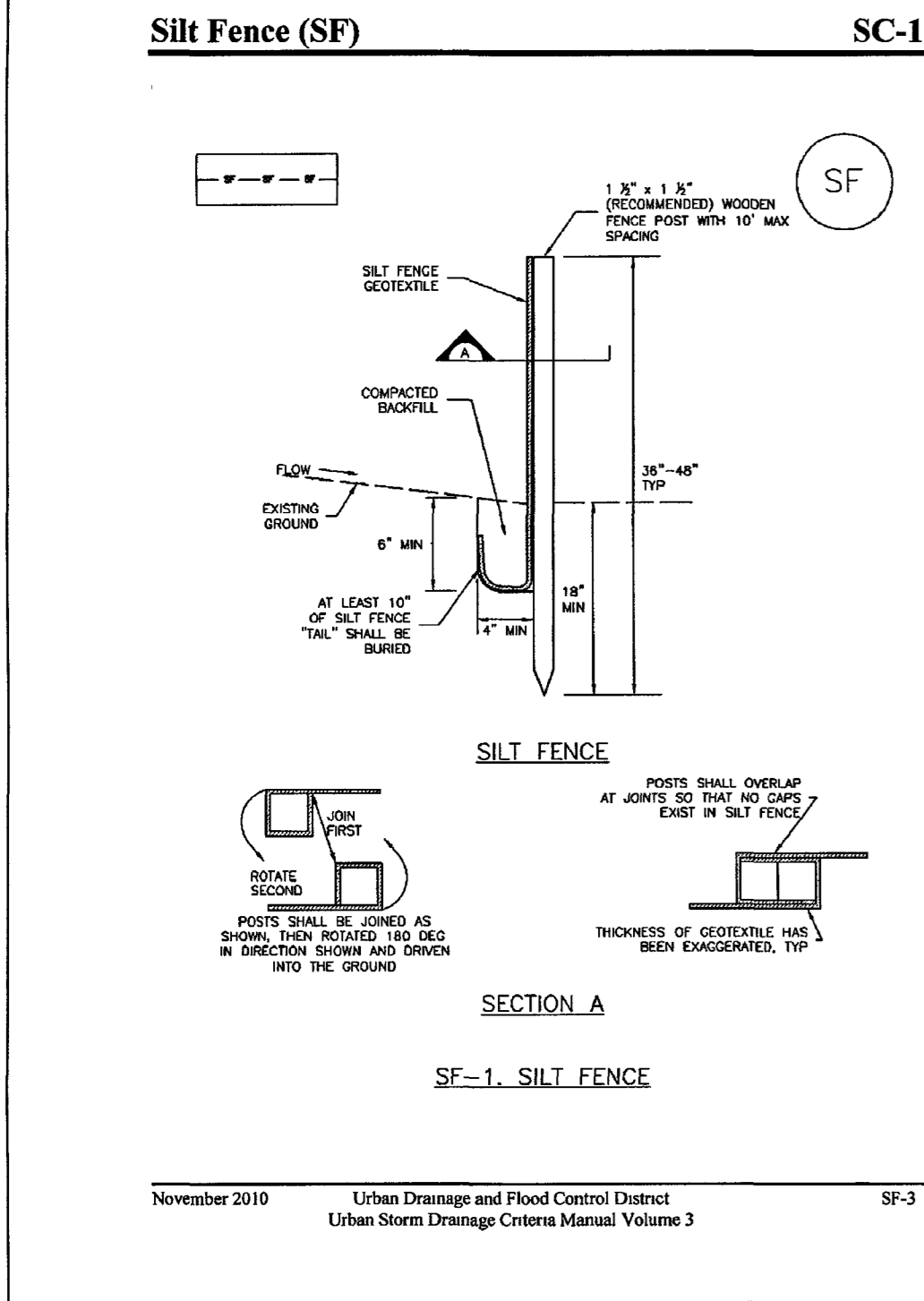
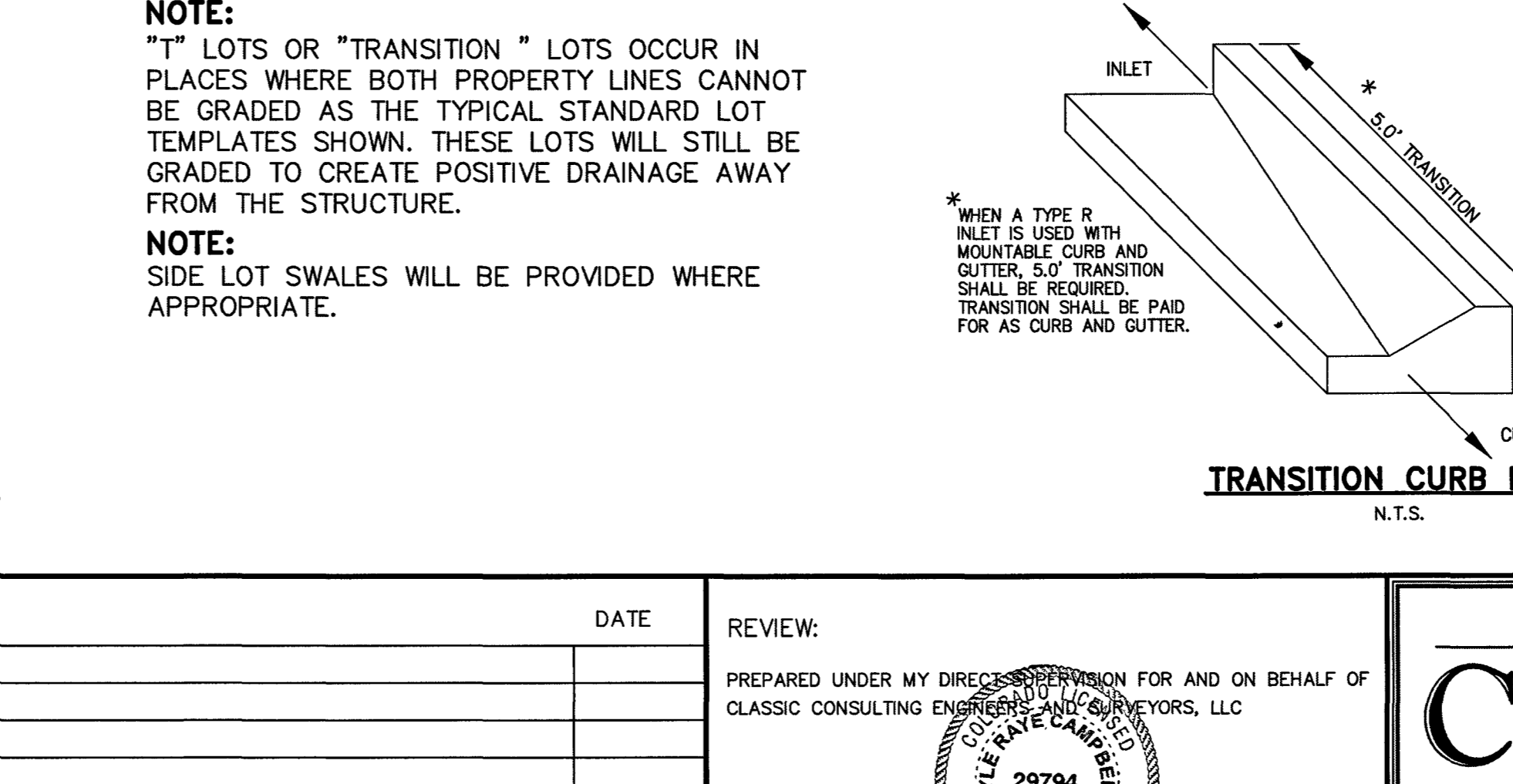
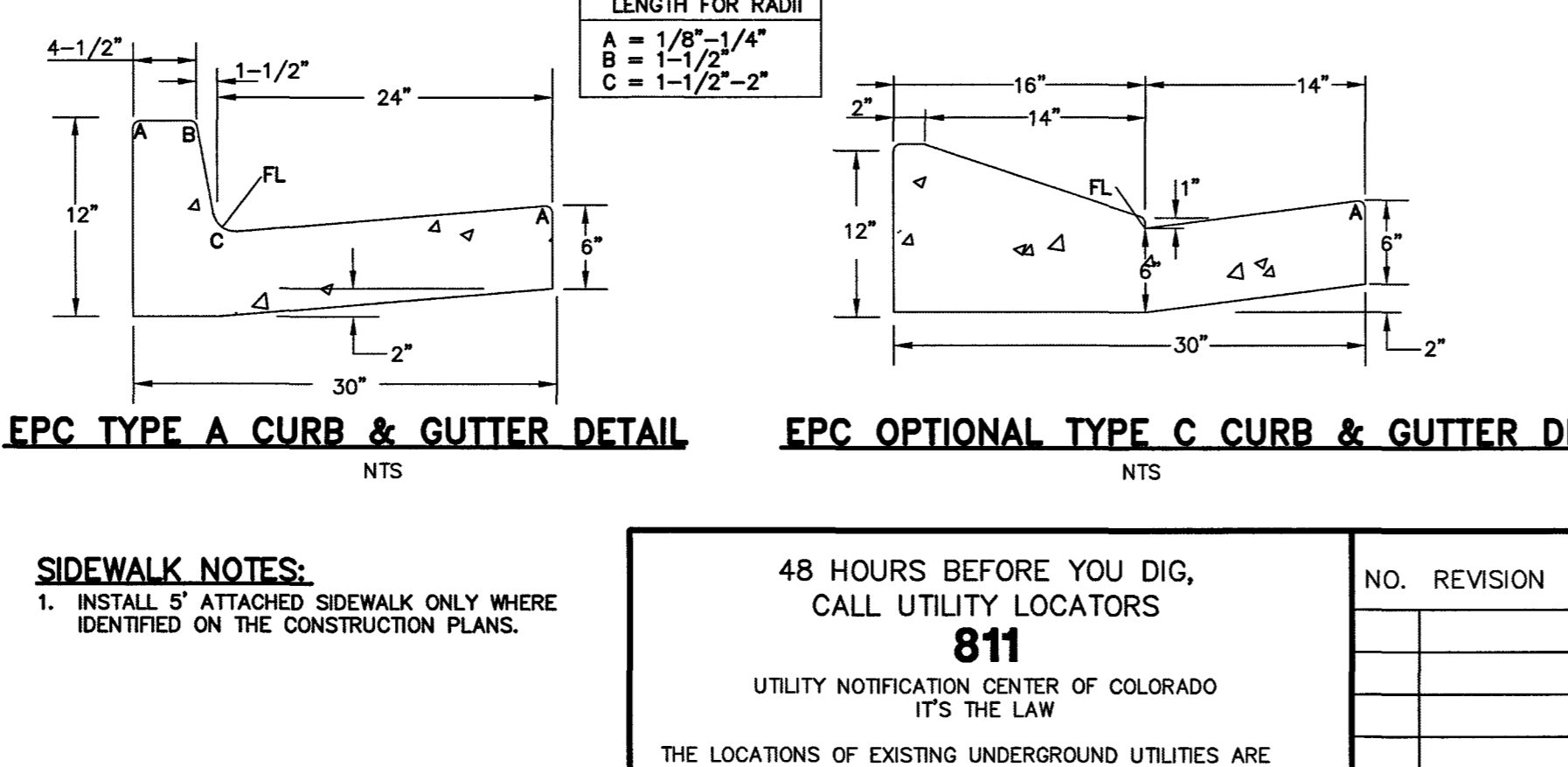
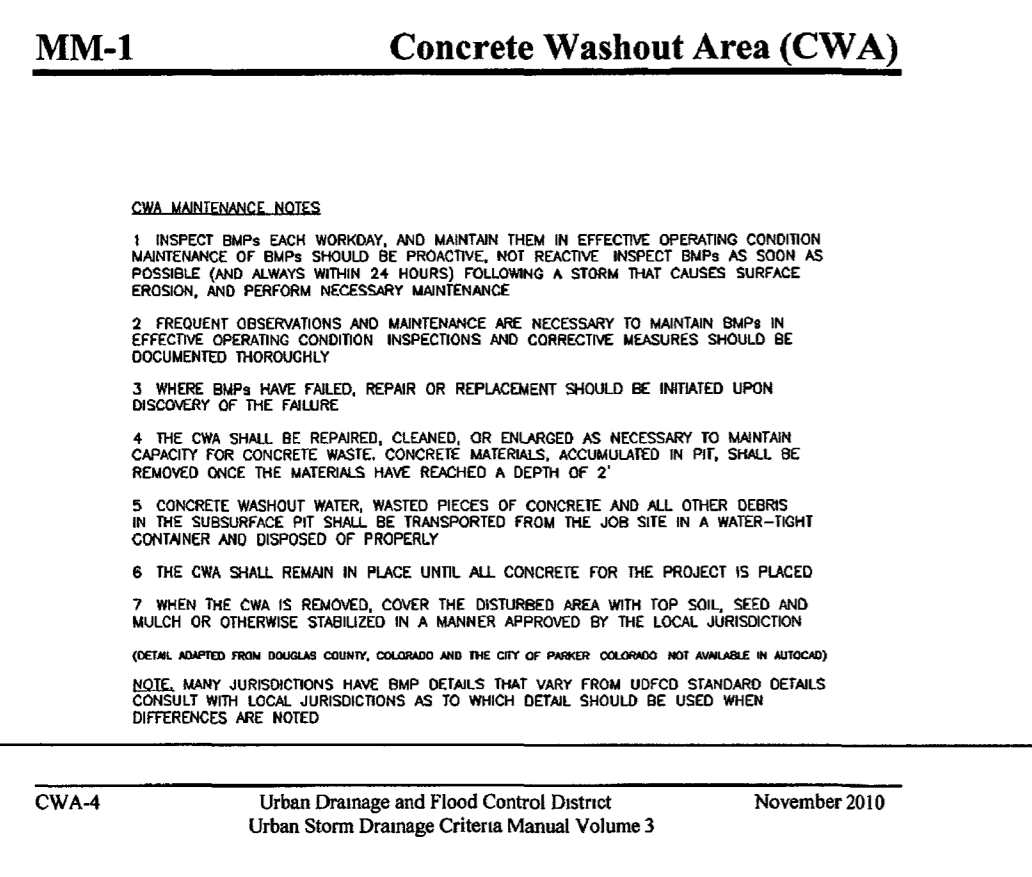
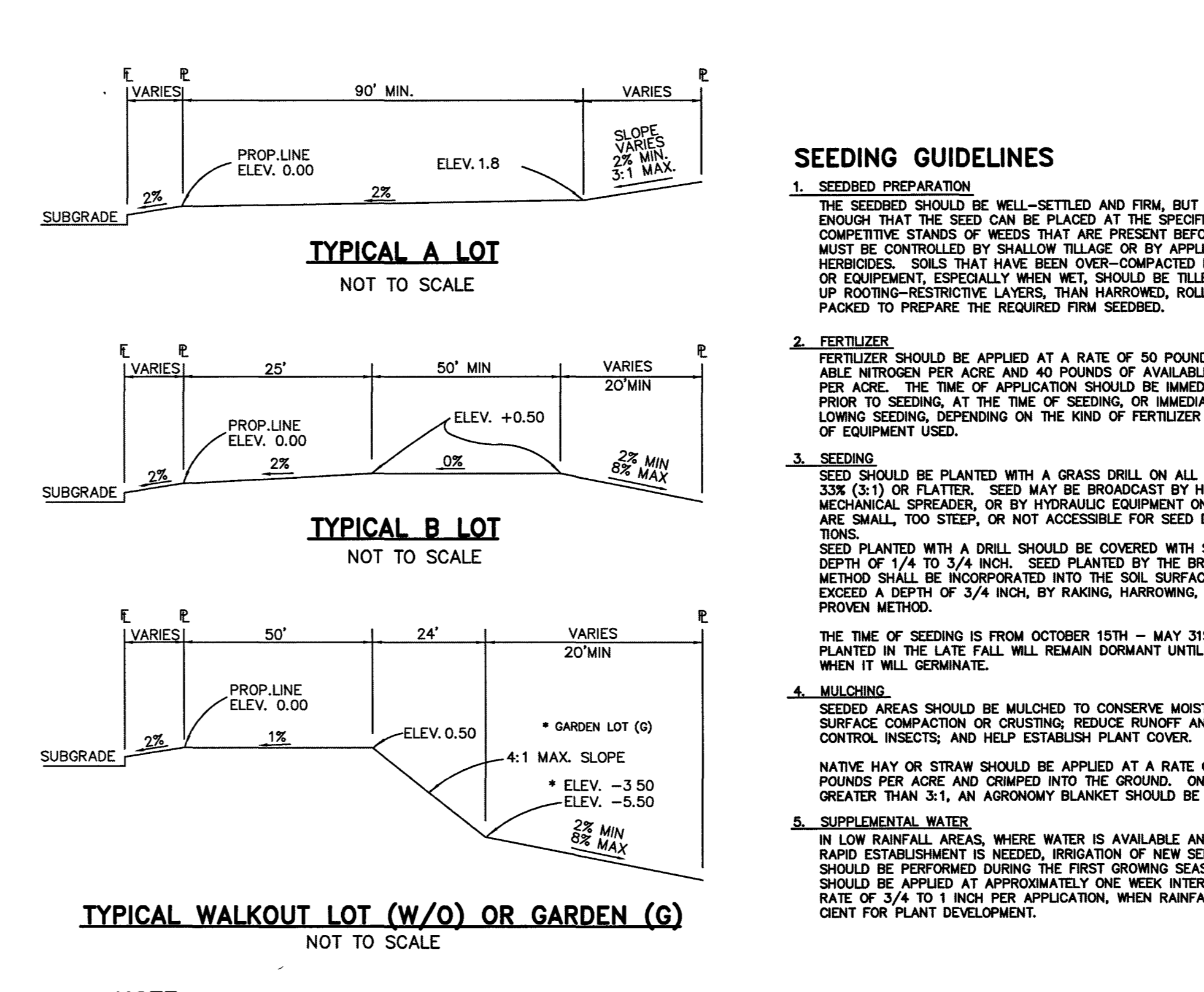
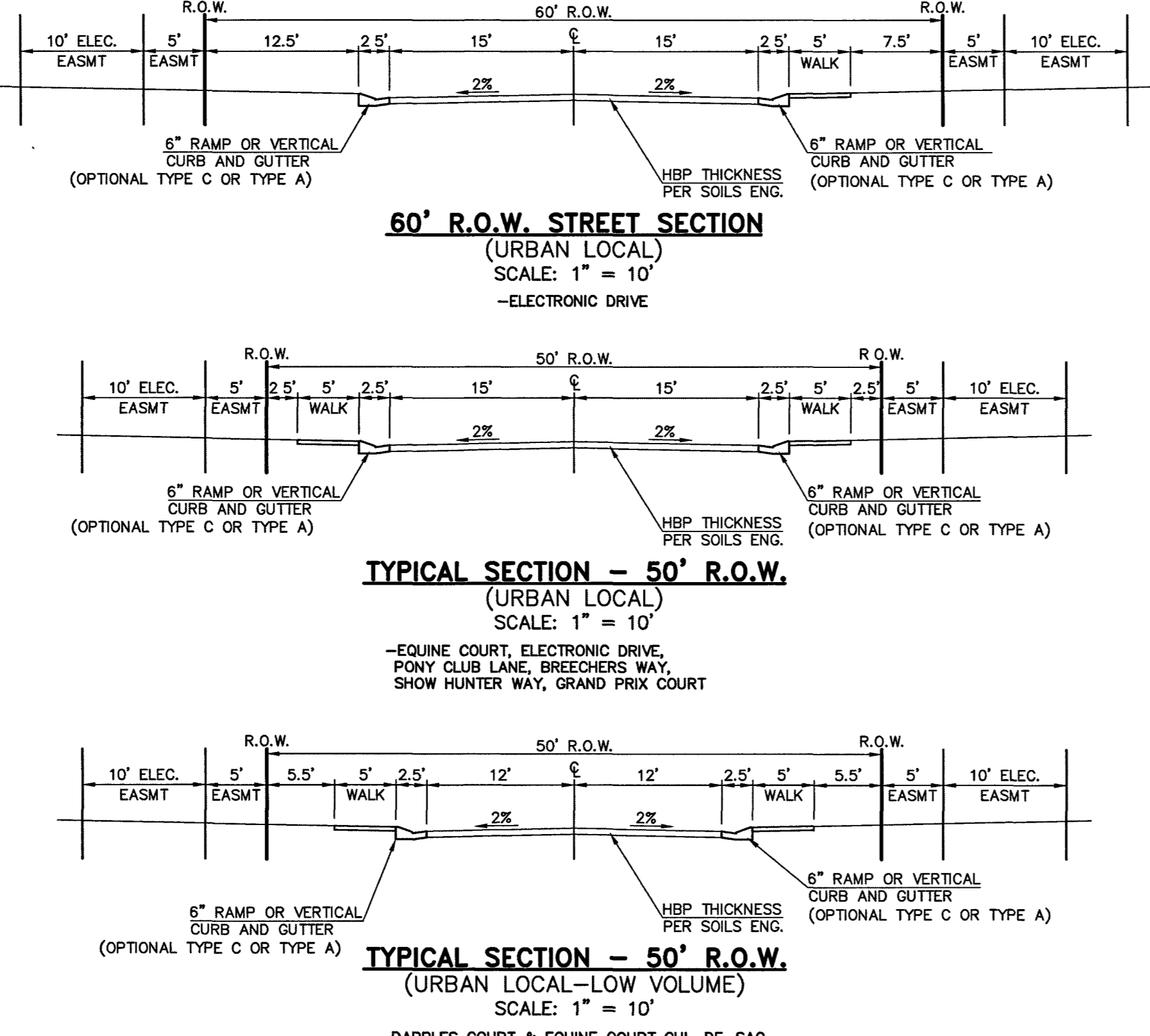
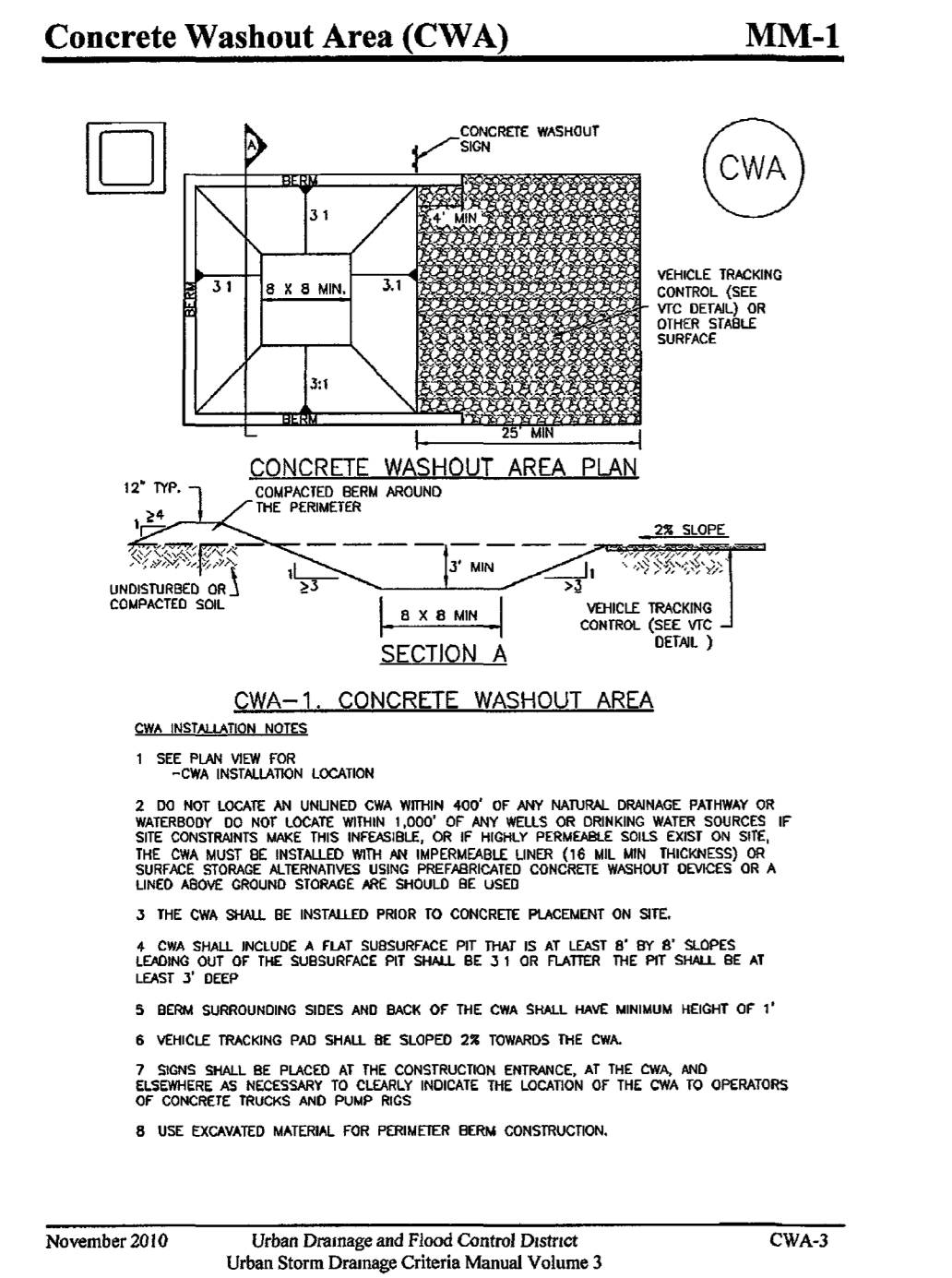


TABLE SB-1

| Required Area per Row (m ²) | Depth at Outlet (ft) | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 |
|---|----------------------|------|------|------|------|------|------|------|-----|
| 1 | 15.04 | 7.71 | 5.10 | 3.76 | 2.95 | 2.41 | 2.02 | 1.73 | |
| 2 | 7.52 | 3.86 | 2.55 | 1.88 | 1.48 | 1.21 | 1.01 | 0.87 | |
| 3 | 5.01 | 2.57 | 1.70 | 1.25 | 0.99 | 0.81 | 0.67 | 0.58 | |
| 4 | 3.76 | 1.91 | 1.27 | 0.94 | 0.74 | 0.61 | 0.51 | 0.44 | |
| 5 | 3.01 | 1.54 | 1.02 | 0.75 | 0.59 | 0.48 | 0.40 | 0.35 | |
| 6 | 2.57 | 1.31 | 0.87 | 0.64 | 0.50 | 0.41 | 0.34 | 0.30 | |
| 7 | 2.29 | 1.16 | 0.77 | 0.57 | 0.44 | 0.36 | 0.30 | 0.26 | |
| 8 | 2.08 | 1.04 | 0.69 | 0.51 | 0.40 | 0.33 | 0.28 | 0.24 | |
| 9 | 1.91 | 0.94 | 0.63 | 0.46 | 0.36 | 0.30 | 0.25 | 0.22 | |
| 10 | 1.77 | 0.87 | 0.58 | 0.43 | 0.33 | 0.28 | 0.23 | 0.20 | |
| 11 | 1.66 | 0.81 | 0.54 | 0.40 | 0.31 | 0.26 | 0.22 | 0.19 | |
| 12 | 1.56 | 0.76 | 0.51 | 0.38 | 0.29 | 0.24 | 0.20 | 0.17 | |
| 13 | 1.48 | 0.72 | 0.48 | 0.36 | 0.27 | 0.23 | 0.19 | 0.16 | |
| 14 | 1.41 | 0.68 | 0.45 | 0.34 | 0.26 | 0.22 | 0.18 | 0.15 | |
| 15 | 1.35 | 0.65 | 0.43 | 0.32 | 0.25 | 0.21 | 0.17 | 0.14 | |
| 16 | 1.30 | 0.62 | 0.41 | 0.31 | 0.24 | 0.20 | 0.16 | 0.13 | |
| 17 | 1.25 | 0.60 | 0.39 | 0.30 | 0.23 | 0.19 | 0.15 | 0.12 | |
| 18 | 1.21 | 0.58 | 0.37 | 0.29 | 0.22 | 0.18 | 0.14 | 0.11 | |
| 19 | 1.17 | 0.56 | 0.36 | 0.28 | 0.21 | 0.17 | 0.13 | 0.10 | |
| 20 | 1.14 | 0.54 | 0.35 | 0.27 | 0.20 | 0.16 | 0.12 | 0.09 | |
| 21 | 1.11 | 0.53 | 0.34 | 0.26 | 0.19 | 0.15 | 0.11 | 0.08 | |
| 22 | 1.08 | 0.52 | 0.33 | 0.25 | 0.18 | 0.14 | 0.10 | 0.07 | |
| 23 | 1.06 | 0.51 | 0.32 | 0.24 | 0.17 | 0.13 | 0.09 | 0.06 | |
| 24 | 1.04 | 0.50 | 0.31 | 0.23 | 0.16 | 0.12 | 0.08 | 0.05 | |
| 25 | 1.02 | 0.49 | 0.30 | 0.22 | 0.15 | 0.11 | 0.07 | 0.04 | |
| 26 | 1.00 | 0.48 | 0.29 | 0.21 | 0.14 | 0.10 | 0.06 | 0.03 | |
| 27 | 0.98 | 0.47 | 0.28 | 0.20 | 0.13 | 0.09 | 0.05 | 0.02 | |
| 28 | 0.96 | 0.46 | 0.27 | 0.19 | 0.12 | 0.08 | 0.04 | 0.01 | |
| 29 | 0.94 | 0.45 | 0.26 | 0.18 | 0.11 | 0.07 | 0.03 | 0.00 | |
| 30 | 0.92 | 0.44 | 0.25 | 0.17 | 0.10 | 0.06 | 0.02 | 0.00 | |
| 31 | 0.90 | 0.43 | 0.24 | 0.16 | 0.09 | 0.05 | 0.01 | 0.00 | |
| 32 | 0.88 | 0.42 | 0.23 | 0.15 | 0.08 | 0.04 | 0.00 | 0.00 | |
| 33 | 0.86 | 0.41 | 0.22 | 0.14 | 0.07 | 0.03 | 0.00 | 0.00 | |
| 34 | 0.84 | 0.40 | 0.21 | 0.13 | 0.06 | 0.02 | 0.00 | 0.00 | |
| 35 | 0.82 | 0.39 | 0.20 | 0.12 | 0.05 | 0.01 | 0.00 | 0.00 | |
| 36 | 0.80 | 0.38 | 0.19 | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 37 | 0.78 | 0.37 | 0.18 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | |
| 38 | 0.76 | 0.36 | 0.17 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | |
| 39 | 0.74 | 0.35 | 0.16 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | |
| 40 | 0.72 | 0.34 | 0.15 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | 0.70 | 0.33 | 0.14 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 42 | 0.68 | 0.32 | 0.13 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 43 | 0.66 | 0.31 | 0.12 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 44 | 0.64 | 0.30 | 0.11 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 45 | 0.62 | 0.29 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 46 | 0.60 | 0.28 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 47 | 0.58 | 0.27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 48 | 0.56 | 0.26 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 49 | 0.54 | 0.25 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 50 | 0.52 | 0.24 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 51 | 0.50 | 0.23 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 52 | 0.48 | 0.22 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 53 | 0.46 | 0.21 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 54 | 0.44 | 0.20 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 55 | 0.42 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 56 | 0.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 57 | 0.38 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 58 | 0.36 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 59 | 0.34 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 60 | 0.32 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 61 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 62 | 0.28 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 63 | 0.26 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 64 | 0.24 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 65 | 0.22 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 66 | 0.20 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 67 | 0.18 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 68 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 69 | 0.14 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 70 | 0.12 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 71 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 72 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 73 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 74 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 75 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

City of Colorado Springs Stormwater Quality



EROSION CONTROL CRITERIA:

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.

- THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- DURING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK DAMS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN. AT THIS TIME RESEED ALL DISTURBED AREAS WITH AN EL PASO COUNTY APPROVED SEED MIX.
- SEEDING APPLICATION: DRILLED TO A DEPTH OF .25" TO .50" INTO SOIL WHERE POSSIBLE. BROADCAST AND RAKED TO COVER ON STEEPER THAN 3:1 SLOPES WHERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.
- MULCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY MECHANICALLY CRIMPED INTO SOIL.
- THE STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE STRAW BALES IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE STRAW BALES OR SILT FENCE.
- DISTURBED SOIL SHALL BE VEGETATED WITHIN 60 DAYS AFTER SUBSTANTIAL FINAL GRADING IS COMPLETE. PROVIDE TEMPORARY VEGETATION TO DISTURBED AREAS THAT WILL HAVE A PERIOD OF EXPOSURE OF 6 MONTHS OR LONGER PRIOR TO FINAL STABILIZATION.
- ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED FINAL GRADING, EROSION CONTROL AND RECLAMATION PLAN SHALL BE PROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO KEEPING ALL EROSION CONTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY EROSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN GROWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS PRACTICABLE.
- ALL SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS NEEDED.
- THE CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR EACH ENTRANCE/EXIT TO THE SITE. THE CONTRACTOR SHALL SUBMIT A PLAN WHICH WILL ASSURE USAGE OF THIS FACILITY BY ALL VEHICLES LEAVING THE SITE.
- EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT AND REPAIRED WHEN NECESSARY.
- CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES IN GOOD WORKING ORDER UNTIL SUCH TIME AS PERMANENT FACILITIES ARE IN PLACE AND THE CONSTRUCTION MANAGER HAS APPROVED THEIR REMOVAL.
- ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- THE EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE AND REBUILD AS NECESSARY UNTIL VEGETATION IS ESTABLISHED.
- MAXIMUM ACREAGE OPEN AT ANY GIVEN TIME IS TO BE 30 ACRES.

SCHEDULE OF ANTICIPATED CONSTRUCTION ACTIVITY:

| BEGIN CONSTRUCTION UPON APPROVAL | ACTIVITY ALL SITE ROADWAY GRADING AND UTILITY INSTALLATION | COMPLETION 6 MONTHS | EROSION CONTROL ALL SHOWN ON GRADING PLAN |
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SF-18-038, 039, 040