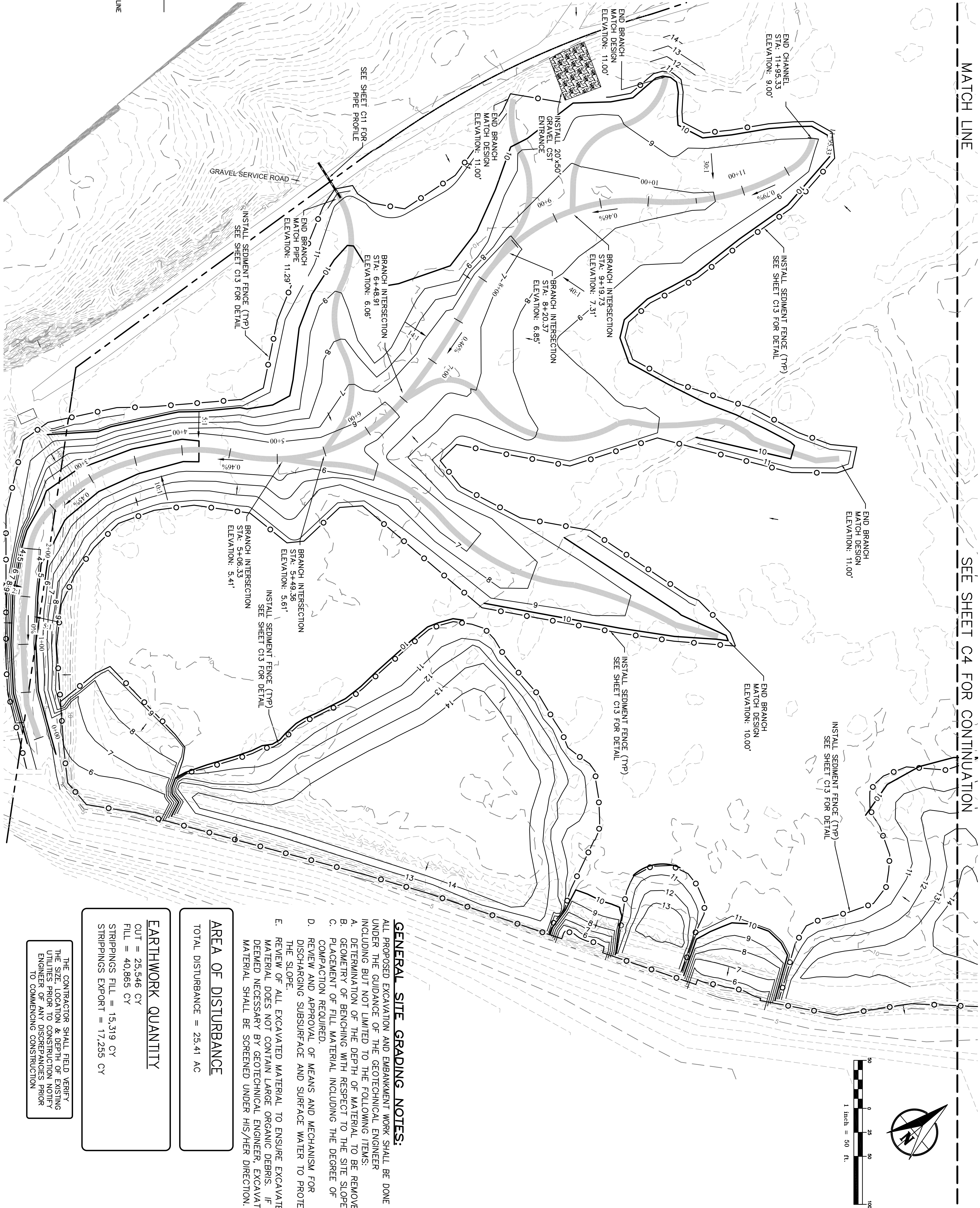


NORTH BACKWATER CHANNEL
CENTERLINE ELEVATION TABLE

CHANNEL C/L STA:	EL. @ CENTERLINE
0+00	4.00
0+50	4.00
1+00	4.00
1+50	4.00
2+00	4.00
2+50	4.23
3+00	4.46
3+50	4.69
4+00	4.92
4+50	5.15
5+00	5.38
5+06.33 (BRANCH TEE)	5.41
5+49.36 (BRANCH TEE)	5.61
5+50	5.61
6+00	5.84
6+48.91 (BRANCH TEE)	6.06
6+50	6.07
7+00	6.31
7+50	6.53
8+00	6.76
8+20.37 (BRANCH TEE)	6.85
8+50	6.99
9+00	7.22
9+19.73 (BRANCH TEE)	7.31
9+50	7.59
10+00	7.68
10+50	7.91
11+00	8.24
11+50	8.64
11+95.33 (END)	9



GENERAL SITE GRADING NOTES:

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- A. DETERMINATION OF THE DEPTH OF MATERIAL TO BE REMOVED.
 - B. GEOMETRY OF BENCHING WITH RESPECT TO THE SITE SLOPE.
 - C. PLACEMENT OF FILL MATERIAL INCLUDING THE DEGREE OF COMPACTION REQUIRED.
 - D. REVIEW AND APPROVAL OF MEANS AND MECHANISM FOR DISCHARGING SUBSURFACE AND SURFACE WATER TO PROTECT THE SLOPE.
 - E. REVIEW OF ALL EXCAVATED MATERIAL TO ENSURE EXCAVATED MATERIAL DOES NOT CONTAIN LARGE ORGANIC DEBRIS. IF DEEMED NECESSARY BY GEOTECHNICAL ENGINEER, EXCAVATED MATERIAL SHALL BE SCREENED UNDER HIS/HER DIRECTION.

AREA OF DISTURBANCE

TOTAL DISTURBANCE = 25.41 AC

EARTHWORK QUANTITY

CUT = 25,546 CY
FILL = 40,865 CY
STRIPPINGS FILL = 15,319 CY
STRIPPINGS EXPORT = 17,255 CY

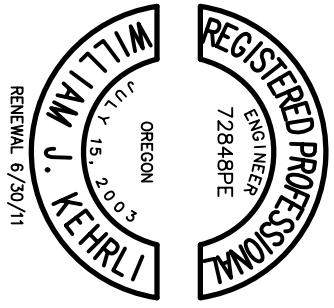
THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING CONSTRUCTION

GRADING / EROSION CONTROL PLAN
SOUTHWEST

OTTER POINT RESTORATION PROJECT – CONSTRUCTION DOCUMENT PLAN SET

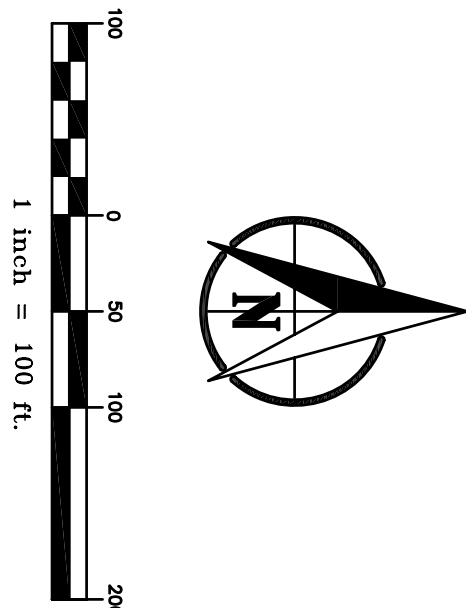
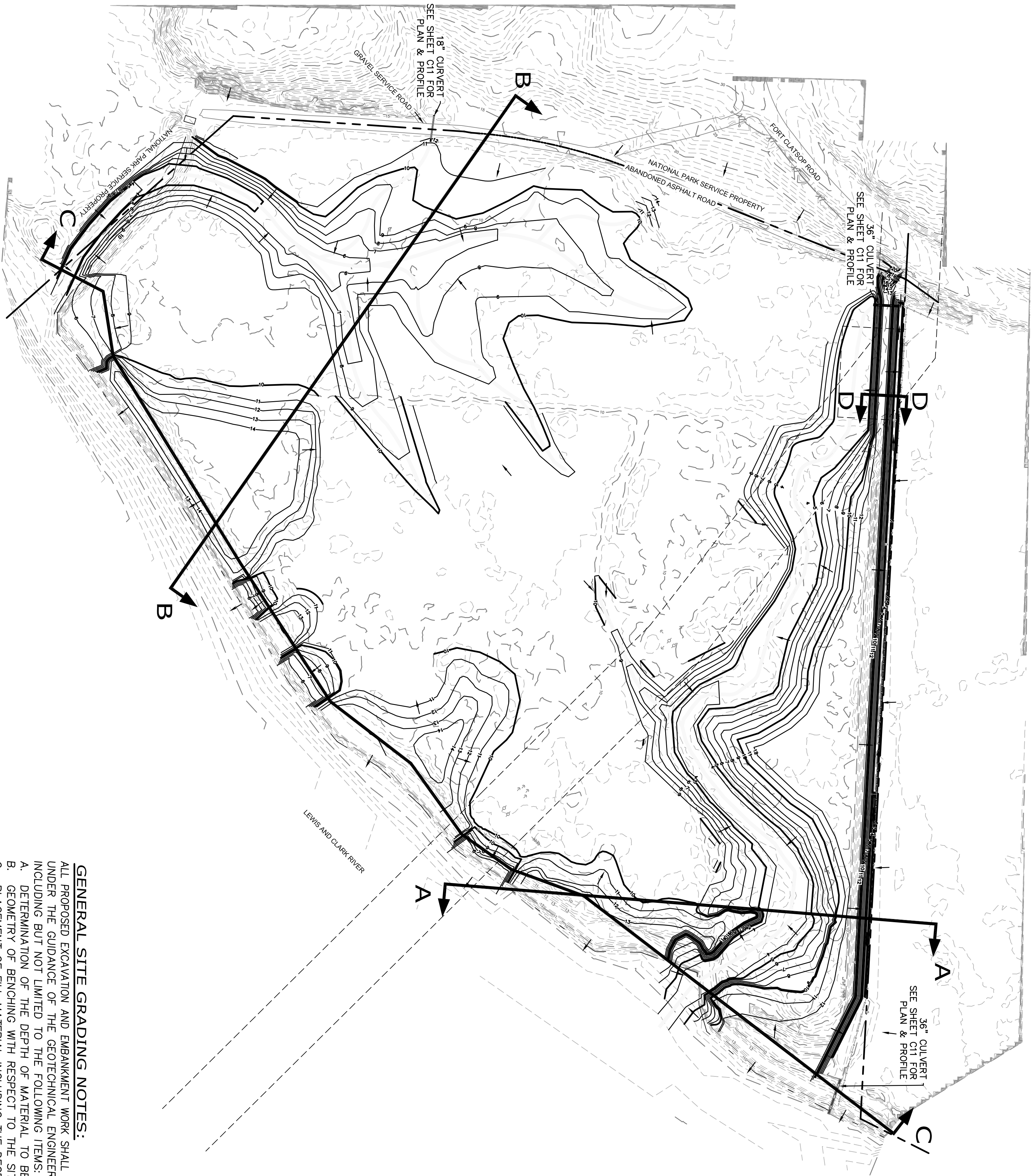
HENDERSON LAND SERVICES LLC

200 North State Street, Ste. #103
Lake Oswego, Oregon 97034
telephone (503) 699-8999
facsimile (503) 699-8777



DATE: 5/21/2010
DRAWN BY: KMH
PROJ. MGR: BAH
CHECKED BY: WJK
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OF 15



SEE SHEET C7 FOR PROFILE OF SECTION AA
SEE SHEET C8 FOR PROFILE OF SECTION BB
SEE SHEET C9 FOR PROFILE OF SECTION CC PART 1
SEE SHEET C10 FOR PROFILE OF SECTION CC PART 2
SEE SHEET C11 FOR PROFILE OF SECTION DD

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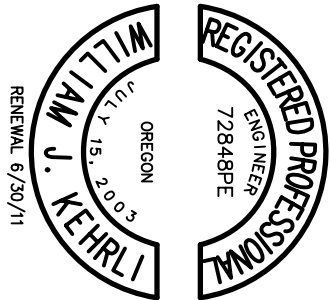
LEGEND

- EXISTING PROPERTY LINE/ROW
- EXISTING EASEMENT
- EXISTING WATER LEVEL
- EXISTING UNDERGROUND ELECTRIC/TELEPHONE LINE
- EXISTING FENCE
- EXISTING 5 FT. CONTOUR INTERVAL
- EXISTING 1 FT. CONTOUR INTERVAL
- DIRECTION OF STORM WATER FLOW
- PROPOSED 5 FT. CONTOUR INTERVAL
- PROPOSED 1 FT. CONTOUR INTERVAL
- PROPOSED SEDIMENT FENCE

GRADING CROSS SECTIONS KEY MAP

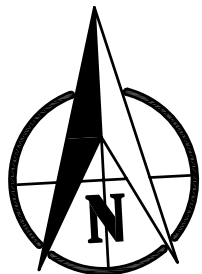
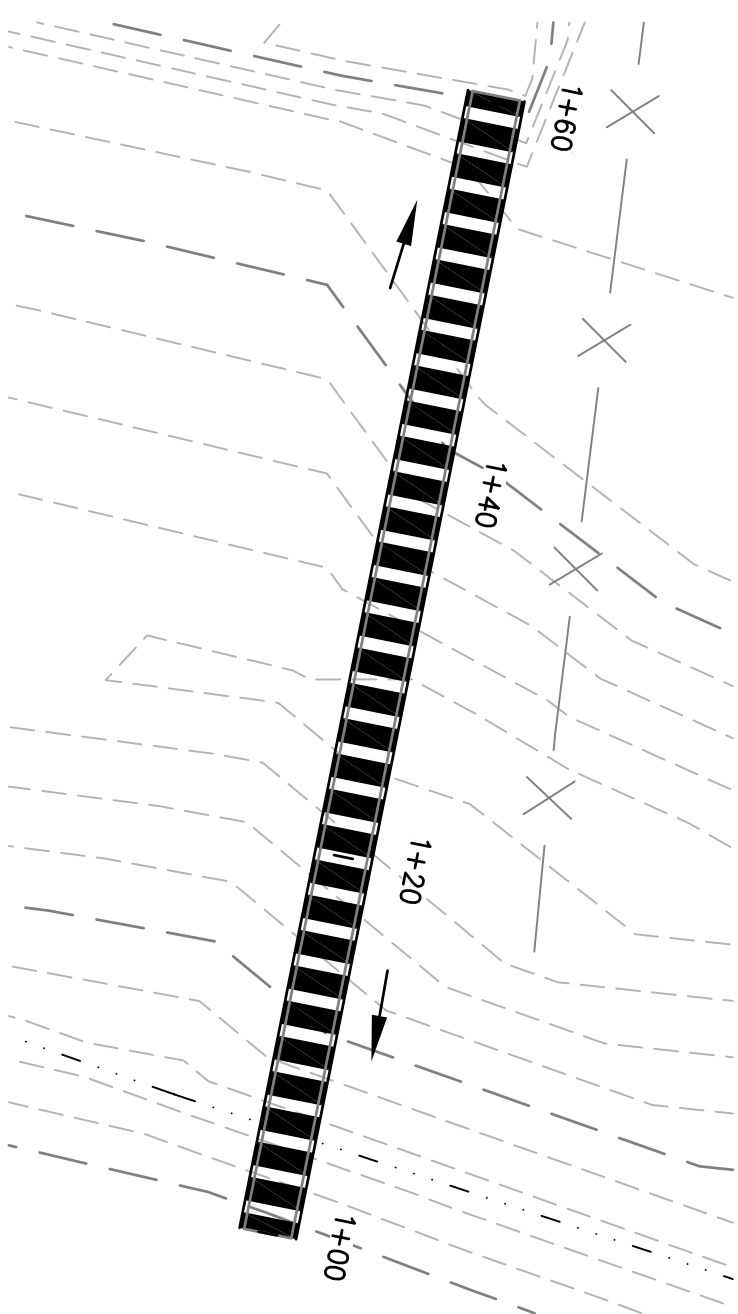
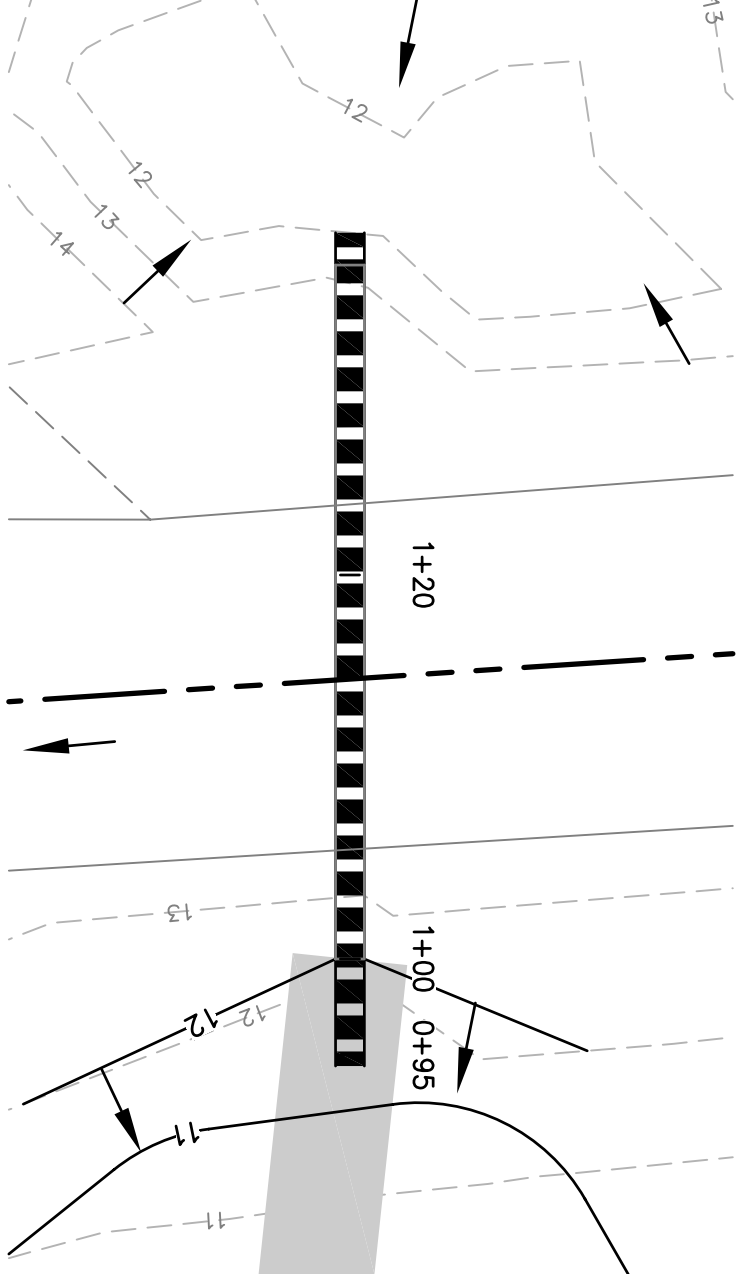
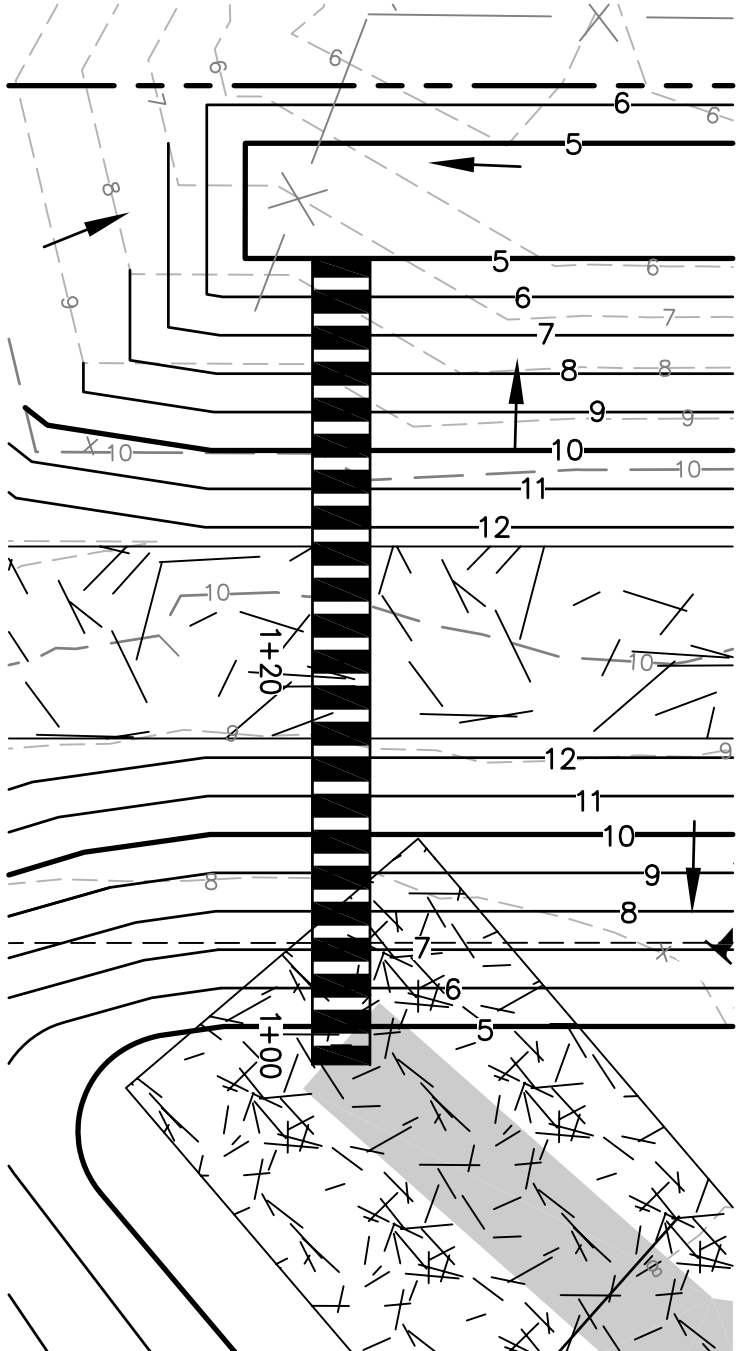
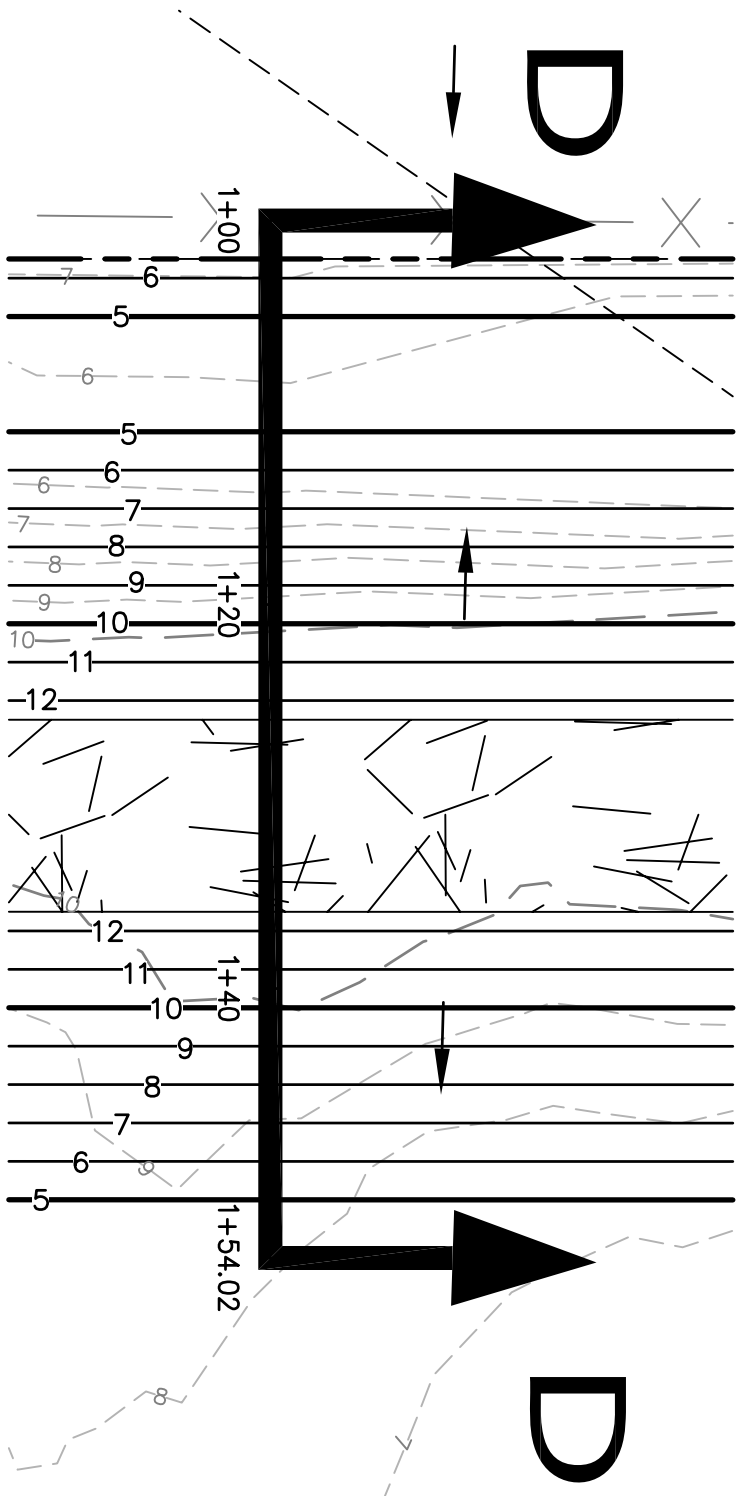
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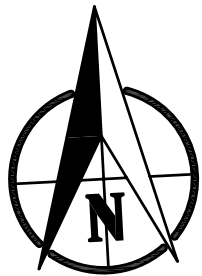
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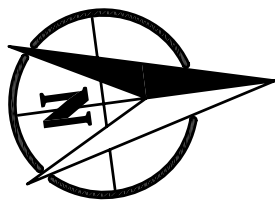
SECTION DD - PLAN

HORIZONTAL SCALE: 1" = 10'



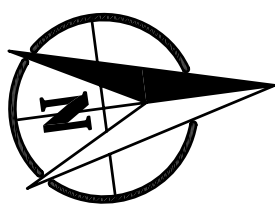
SWALE CULVERT - PLAN

HORIZONTAL SCALE: 1" = 10'



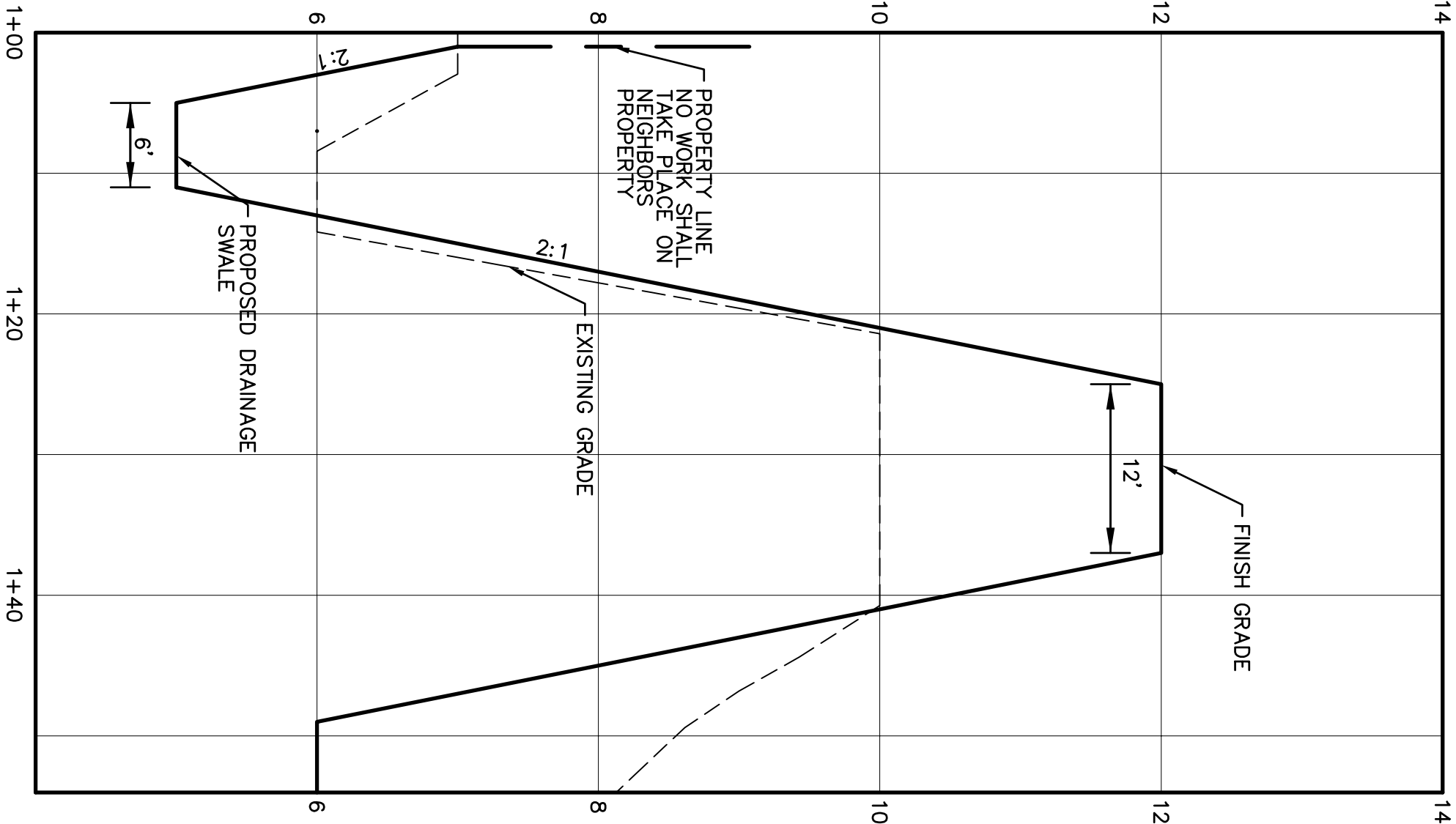
CULVERT 1 - PLAN

HORIZONTAL SCALE: 1" = 10'



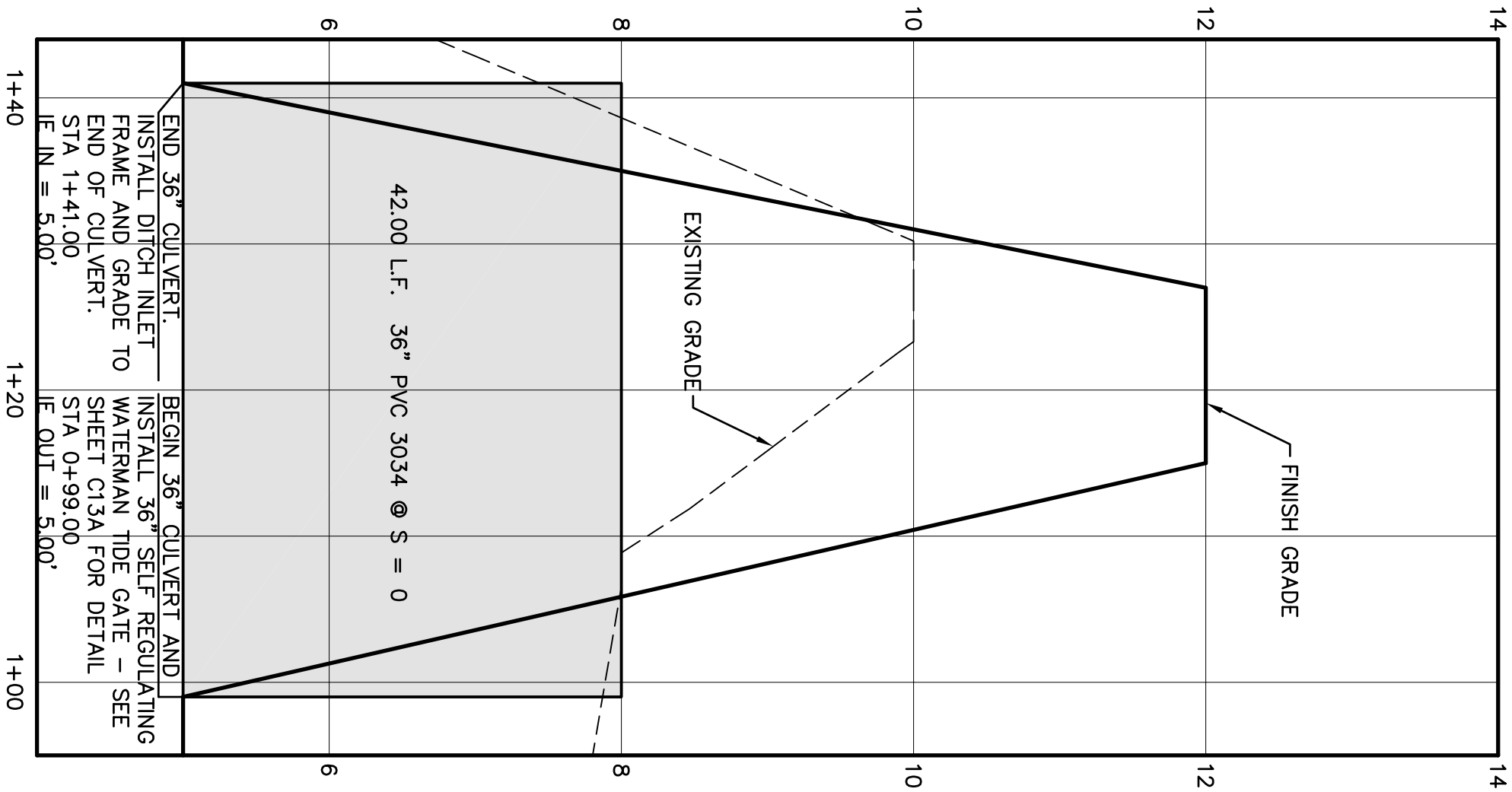
CULVERT 2 - PLAN (SEASON 2)

HORIZONTAL SCALE: 1" = 10'



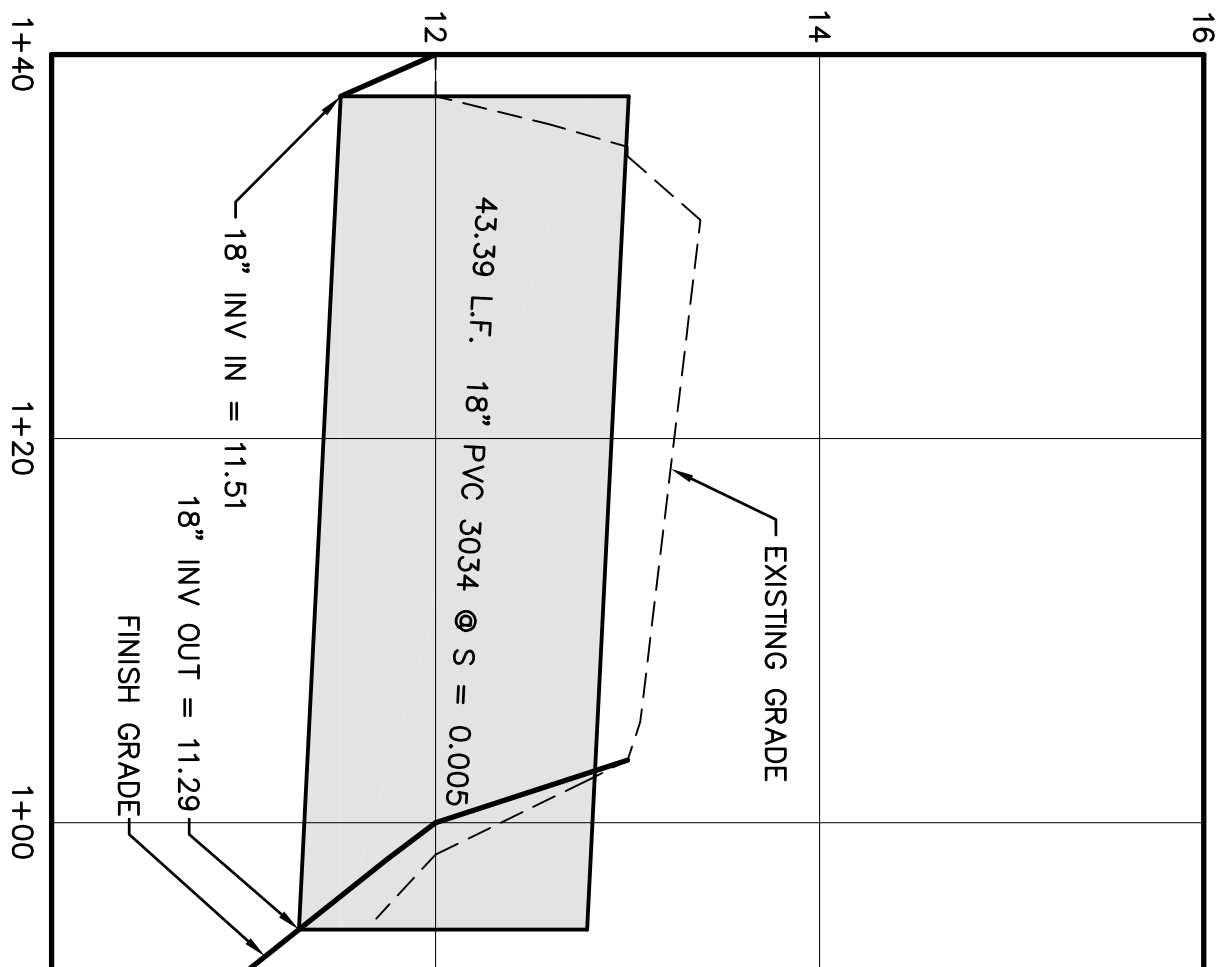
SECTION DD - PROFILE

HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'



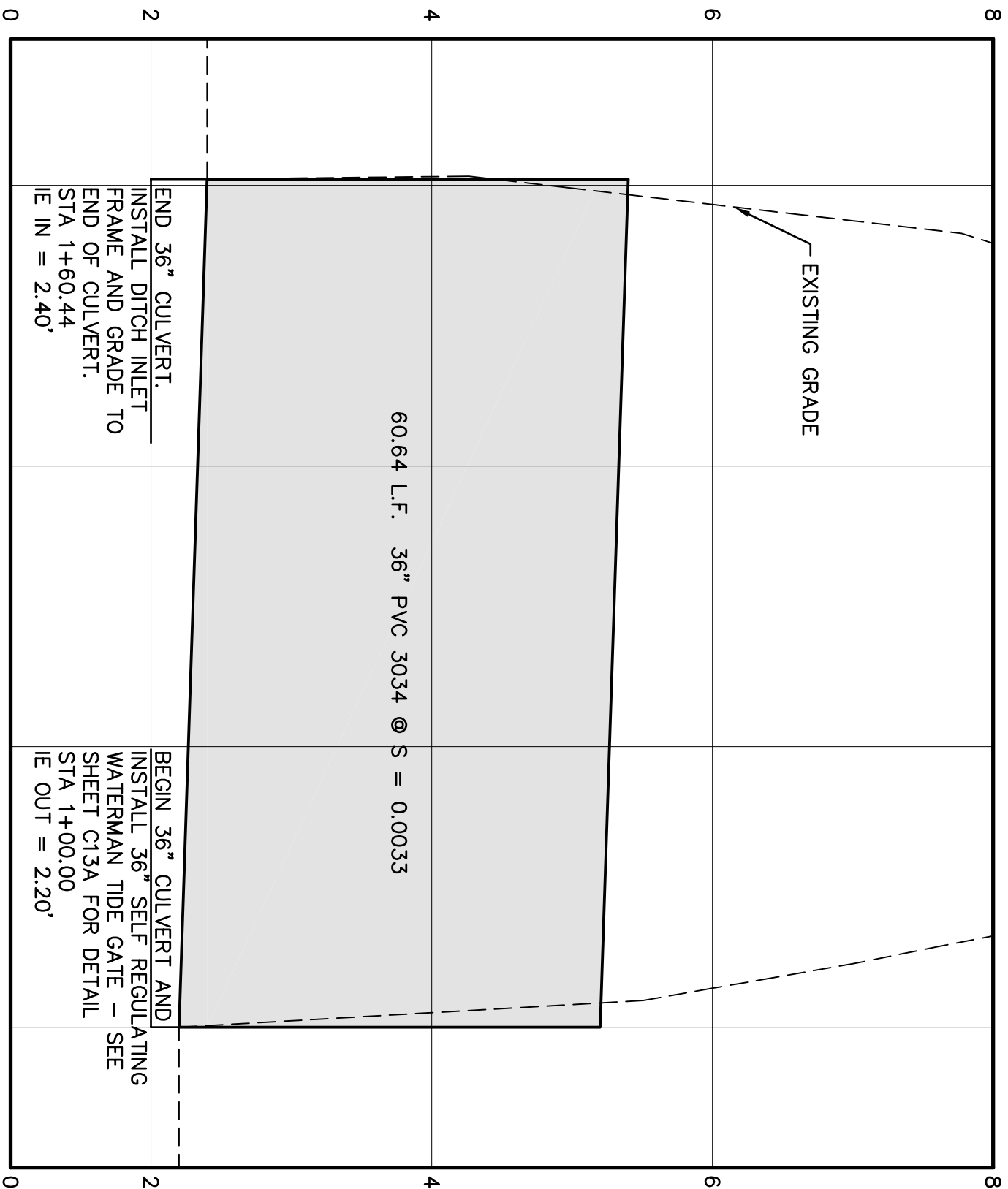
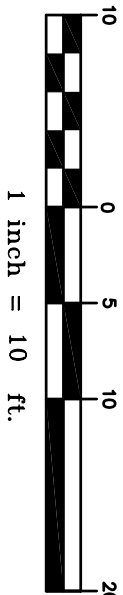
SWALE CULVERT - PROFILE

HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'



CULVERT 1 - PROFILE

HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'



CULVERT 2 - PROFILE (SEASON 2)

HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'

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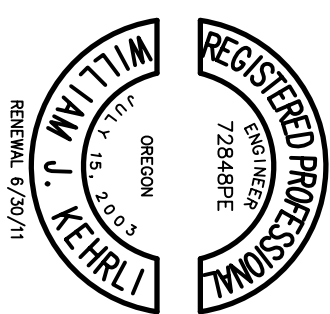
LEGEND

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GRADING CROSS SECTION DD, SWALE CULVERT
& CULVERT 1, 2 PLAN & PROFILE
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