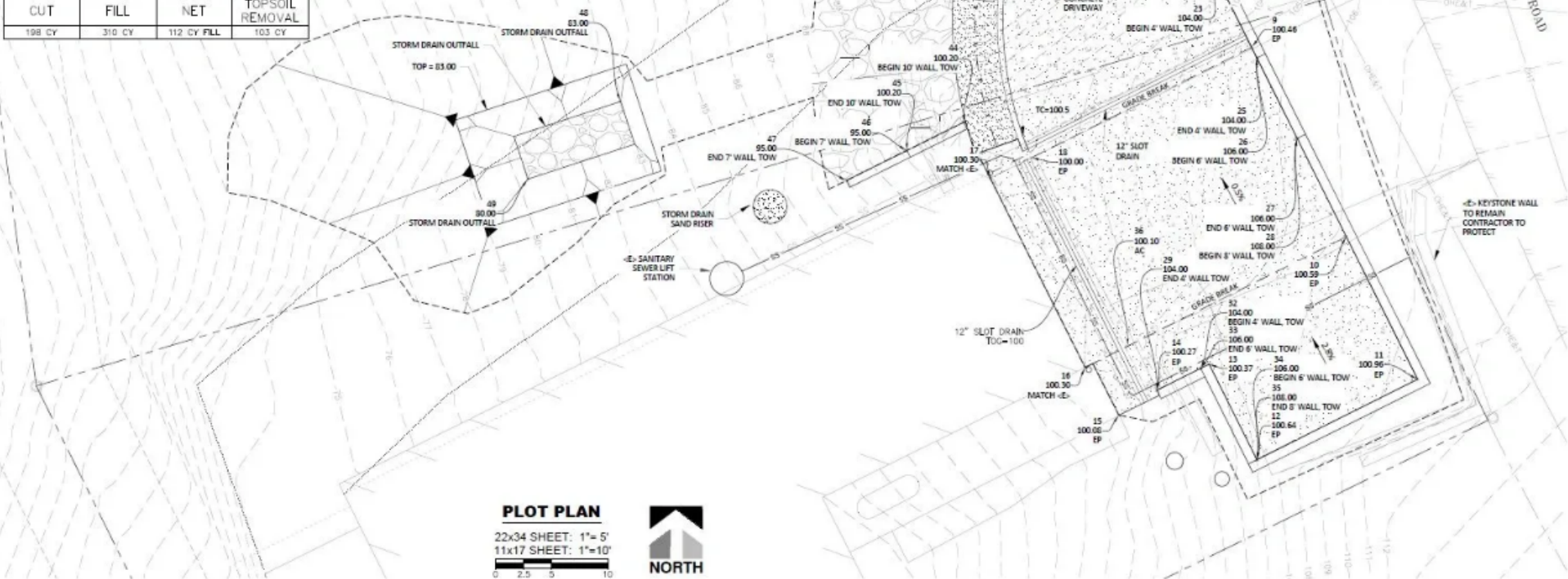


POINT TABLE			
POINT #	DESCRIPTION	NORTHING	EASTING
1	EP MATCH -E-	10185.36	4721.81
2	EP MATCH -E-	10180.30	4722.82
3	EP MATCH -E-	10174.66	4723.96
4	EP MATCH -E-	10168.70	4725.15
5	EP MATCH -E-	10163.95	4726.15
6	EP	10167.68	4720.52
7	EP	10159.25	4709.46
8	EP	10153.82	4711.40
9	EP	10146.72	4714.95
10	EP	10129.07	4723.38
11	EP	10117.19	4729.73
12	EP	10110.03	4715.42
13	EP	10118.52	4711.17
14	EP	10116.21	4706.53
15	EP	10113.99	4703.34
16	MATCH -E-	10118.24	4700.13
17	MATCH -E-	10135.08	4691.69
18	EP	10136.09	4695.35
19	EP	10166.98	4698.44
20	EP	10179.59	4717.85
21	EDGE CONC	10160.50	4714.23
22	GRATE	10159.16	4713.79
23	BEGIN 4' WALL TOW	10155.82	4711.40
24	FG	10153.92	4712.40
25	END 4' WALL TOW	10145.78	4715.43

POINT TABLE			
POINT #	DESCRIPTION	NORTHING	EASTING
26	BEGIN 6' WALL TOW	10145.78	4715.43
27	END 6' WALL TOW	10156.62	4719.01
28	BEGIN 8' WALL TOW	10136.62	4719.01
29	END 4' WALL TOW	10116.21	4706.53
30	EP	10156.43	4710.09
31	EP	10163.72	4711.60
32	BEGIN 4' WALL TOW	10118.15	4710.43
33	END 6' WALL TOW	10118.15	4710.43
34	BEGIN 6' WALL TOW	10110.03	4715.42
35	END 8' WALL TOW	10130.03	4715.42
36	AC	10120.14	4703.93
37	EDGE CONC	10155.34	4712.44
38	CONTROL KOLSTAD POINT 330 NAIL AND SHINER	10196.86	4720.92
39	CONTROL KOLSTAD POINT 330 RAIL ROAD SPIKE	10286.85	4756.04
40	FC	10177.76	4711.85
41	EP	10166.69	4716.48
42	EP	10170.85	4701.66
43	EP	10162.31	4710.38
44	TOW	10140.06	4689.33
45	TOW	10137.54	4684.26
46	TOW	10137.54	4684.26
47	TOW	10134.87	4678.89
48	STORM DRAIN OUTFALL	10141.84	4650.75
49	STORM DRAIN OUTFALL	10135.00	4650.54

EARTHWORK CALCULATIONS			
CUT	FILL	NET	TOPSOIL REMOVAL
198 CY	310 CY	112 CY FILL	103 CY



PLOT PLAN
 22x34 SHEET: 1"= 5'
 11x17 SHEET: 1"=10'
 0 2.5 5 10
 NORTH

APPROX. 70' NORTH TO CONTROL POINT 39, RAIL ROAD SPIKE IN SPRING ROAD. POINT # 39 ELEVATION = 93.12 (SEE POINT TABLE FOR COORDINATES)

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 info@dtneengineering.com

NO.	REVISION / REVISION	BY	CHK	DATE

WOZNAK DRIVEWAY IMPROVEMENT PLANS
 GRADING PLAN
 1050 AND 1058 SPRING ROAD, SHELTER COVE CA
 APN'S 109-182-003 AND -109-182-004

DRAWN	DTN
CHECKED	DTN
APPROVED	DTN
DATE	10/10/2017
JOB NUMBER	9-26-2017
SHEET	C6

EROSION AND SEDIMENT CONTROL NOTES:

GENERAL

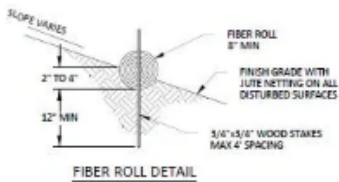
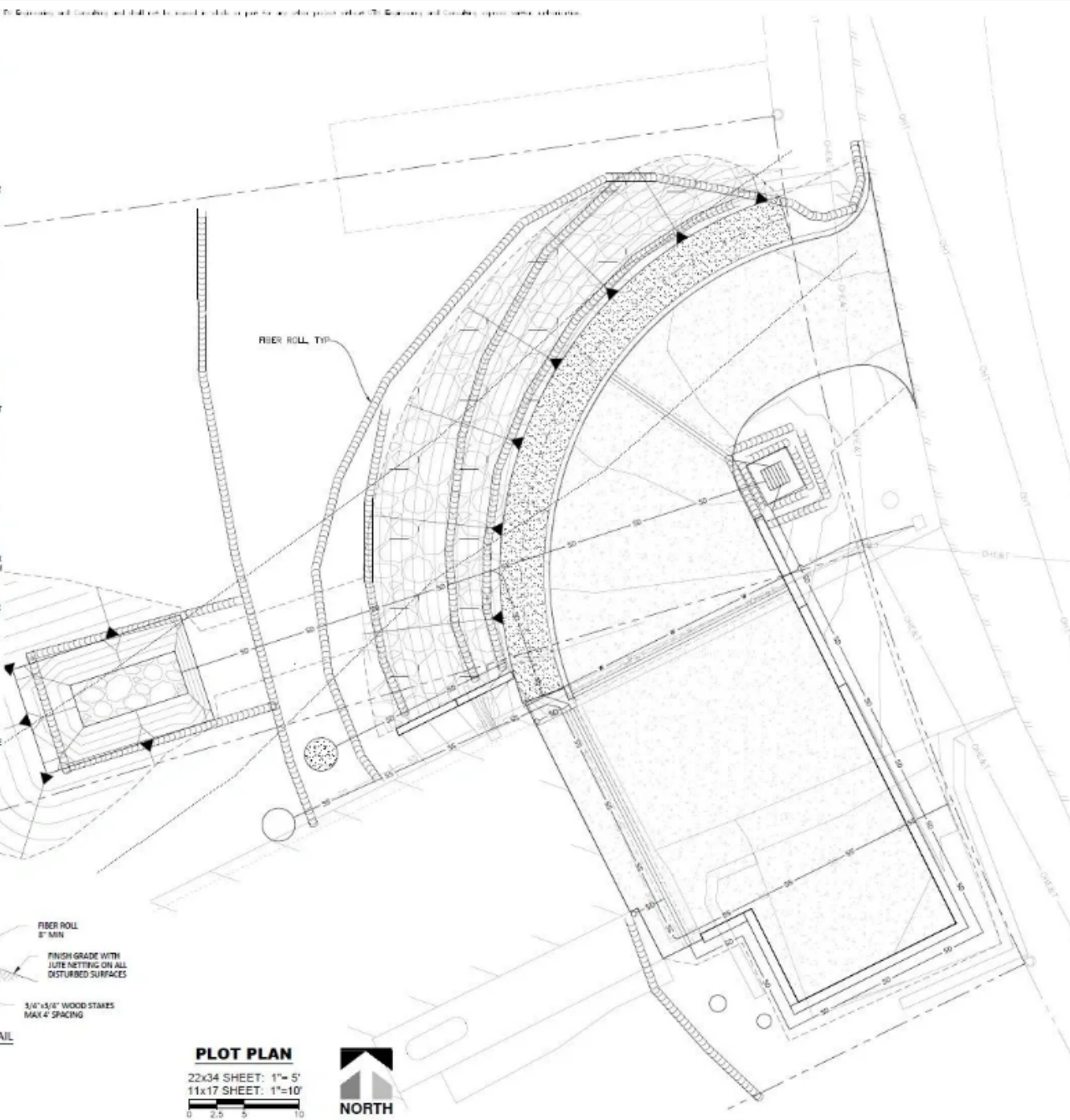
1. PERFORM EROSION PREVENTION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE HUMBOLDT COUNTY GRADING ORDINANCE.
2. THE OWNER IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE NEAR ROAD. WORK SITES WITH INSUFFICIENT EROSION AND SEDIMENT CONTROL MAY BE SUBJECT TO A STOP WORK ORDER.
3. IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.
4. AT ALL TIMES THE OWNER IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE STATE OF CALIFORNIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY. CONSTRUCTION ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, CLEARING, GRADING, EXCAVATION, STOCKPILING AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.

RAINY SEASON OPERATIONS

1. WEEKLY MONITORING INSPECTIONS OF THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE PERFORMED BY A CISP OR OSD DURING THE WINTER MONTHS FORM 10/15 - 4/15 UNTIL PROJECT COMPLETION AND FINAL APPROVAL. COPIES OF THE INSPECTION REPORT SHALL BE SENT WEEKLY TO THE BUILDING INSPECTION DIVISION.
2. IF GRADING IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:
 - 2.1. THE GROUND IN THE WORK AREA SHALL NOT BE SATURATED WITH WATER.
 - 2.2. THE WORK SHALL BE CONDUCTED DURING PERIODS OF CLEAR WEATHER.
 - 2.3. THE REQUIRED EROSION CONTROLS, AS SHOWN ON THE GRADING PLAN, OR APPROVED TEMPORARY SUBSTITUTES, SHALL BE PLACED BEFORE THE NEXT RAINFALL. THE SITE SHALL NOT BE LEFT UNATTENDED WITHOUT THE REQUIRED EROSION CONTROLS IN PLACE.
3. THE AREA OF ERODIBLE LAND EXPOSED AT ANY ONE TIME DURING THE WORK SHALL NOT EXCEED ONE ACRE OR 25 PERCENT OF THE PERMITTED WORK AREA, WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.

YEAR-ROUND REQUIREMENTS

1. DURING THE NON-RAINY SEASON, ON ANY DAY WHEN THE NATIONAL WEATHER SERVICE FORECAST IS A CHANCE OF RAIN OF 30 PERCENT OR GREATER WITHIN THE NEXT 24 HOURS, STORM WATER SUMP REMEDIATION OR DETAILS IN PER A.D.'S BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED, INSTALLED AND FUNCTIONAL ON THE SITE TO PREVENT SOIL AND OTHER POLLUTANT DISCHARGES. AT ALL OTHER TIMES, S.M.P.'S SHOULD BE STORED ON SITE IN PREPARATION FOR INSTALLATION PRIOR TO RAIN EVENTS.
2. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO INSURE MEASURES ARE IN FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
3. THE LIMITS OF GRADING SHALL BE DEFINED AND MARKED ON SITE TO PREVENT DAMAGE TO SURROUNDING VEGETATION. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE. ANY EXISTING VEGETATION WITHIN THE LIMITS OF GRADING THAT IS TO REMAIN UNDISTURBED BY THE WORK SHALL BE IDENTIFIED AND PROTECTED FROM DAMAGE BY MARKING, FENCING, OR OTHER MEASURES.
4. CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS AND SHALL BE NOTED ON THE PLAN.
5. DISCHARGE OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO SEDIMENT, TRASH, NUTRIENTS, PESTICIDES, PETROLEUM HYDROCARBONS, METALS, CONCRETE, CEMENT, ASPHALT, LIME, PAINT, STAIN, GLUES, WOOD PRODUCTS, PESTICIDES, HERBICIDES, CHEMICALS, HAZARDOUS WASTE, SANITARY WASTE, VEHICLE OR EQUIPMENT WASH WATER AND CHLORINATED WATER.
6. ENTRANCES TO THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE COUNTY RIGHT-OF-WAY, SUCH AS ROADWAYS AND DRIVEWAYS, SHALL BE PROMPTLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
7. ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION MEASURES TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, JUTE NETTING, GEOTEXTILES, PLASTIC COVERS, BLANKETS OR MATS. TEMPORARY OR PERMANENT REVEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL, BUT IN ALL CASES PRIOR TO OCTOBER 15. PRIOR TO FINAL INSPECTION, ALL DISTURBED AREAS SHALL BE REVEGETATED OR LANDSCAPING SHALL BE INSTALLED.
8. WHENEVER IT IS NOT POSSIBLE TO USE EROSION PREVENTION MEASURES ON EXPOSED SLOPES, SEDIMENT CONTROL DEVICES SUCH AS FIBER ROLLS AND SILT FENCES SHALL BE INSTALLED TO PREVENT SEDIMENT MIGRATION. FIBER ROLLS AND SILT FENCES SHALL BE FINISHED AND KEPT INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY TWO TO FIVE FEET FROM TOE OF SLOPE.
9. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
10. SOIL, MATERIAL, STOCKPILES AND FERTILIZING MATERIAL SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
11. SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE CLEARED OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
12. TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED DURING CONSTRUCTION ACTIVITIES TO PREVENT THE DISCHARGE OF POLLUTANTS.
13. APPROPRIATE TRUCK STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.



PLOT PLAN

22x34 SHEET: 1"= 5'
11x17 SHEET: 1"=10'



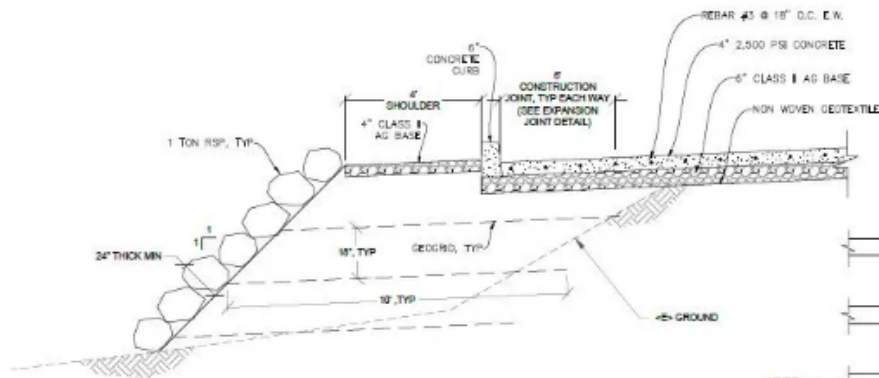
NO.	REVISION / REVISION	BY	CHK.	DATE

WOZNAK DRIVEWAY IMPROVEMENT PLANS
EROSION AND SEDIMENT CONTROL PLAN
1050 AND 1058 SPRING ROAD, SHELTER COVE CA
APN'S 109-182-003 AND -109-182-004

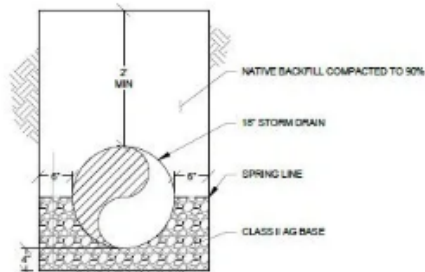
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APPROVED	DTN
DATE	10/10/2017
JOB NUMBER	9.25.2017
SHEET	C8

Woznak Driveway Improvement Plans, 1050 and 1058 Spring Road, Shelter Cove CA, APN's 109-182-003 and 109-182-004
 Erosion and Sediment Control Plan, Sheet C8 of C8
 DTN Engineering & Consulting, 10150 Eureka Blvd, Suite 200, Eureka, CA 95501
 (916) 219-7769, dtn@dtneengineering.com

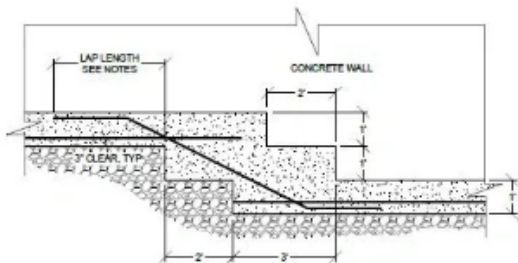
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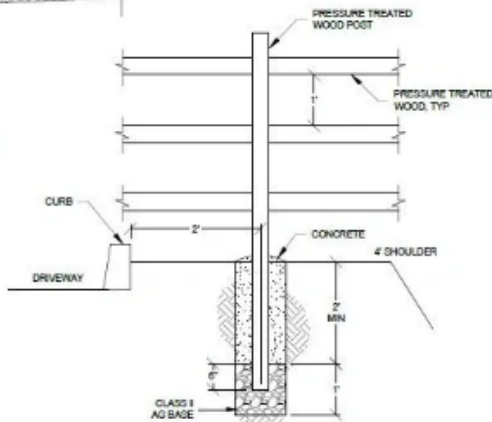
TYPICAL DRIVEWAY WITH GEOGRID SLOPE DETAIL
SCALE: N.T.S.



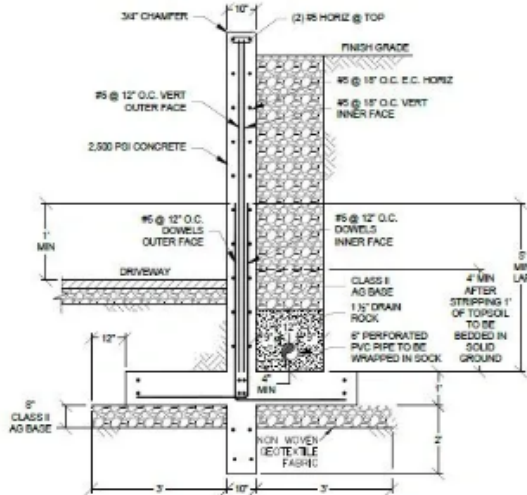
STORM DRAIN TRENCH DETAIL
SCALE: N.T.S.



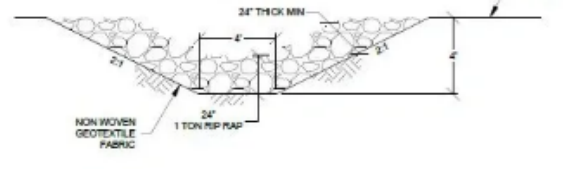
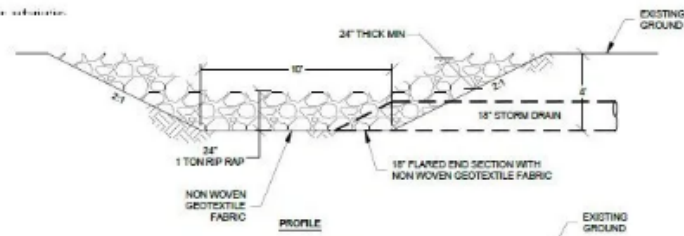
STEPPED WALL FOOTING DETAIL
SCALE: N.T.S.



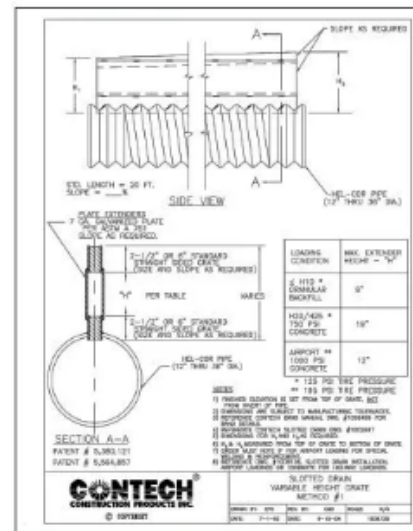
WOOD FENCE DETAIL
SCALE: N.T.S.



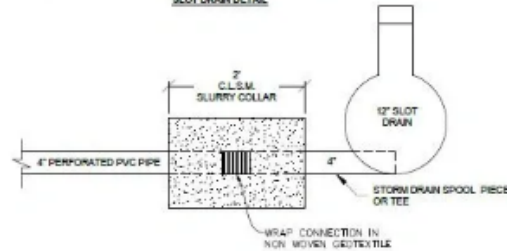
TYPICAL RETAINING WALL DETAIL
SCALE: N.T.S.



STORM DRAIN OUTFALL
SCALE: N.T.S.



SLOPED DRAIN DETAIL



DRAIN PIPE TO SLOT DRAIN CONNECTION DETAIL
SCALE: N.T.S.

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WOZNIAK DRIVEWAY IMPROVEMENT PLANS
DETAILS
1050 AND 1058 SPRING ROAD, SHELTER COVE CA
APN'S 109-182-003 AND -109-182-004

DRAWN	JDB
CHECK	DTN
APPROVED	DTN
DATE	10/10/17
JOB NUMBER	9-28-2017
SHEET	C9

WOZNIAK DRIVEWAY IMPROVEMENTS

APN: 109-182-003 AND 109-182-004



VICINITY MAP
NOT TO SCALE

DIRECTIONS TO SITE:

- FROM EUREKA, CA
- TAKE US 101 SOUTH
- TAKE EXIT 642 TO REDWOOD DRIVE
- TURN RIGHT ON TO BRICELAND THORN ROAD FOR 12.1 MILES
- CONTINUE STRAIGHT ON TO SHELTER COVE ROAD FOR 10 MILES
- TURN RIGHT ON TO BEACH ROAD
- TURN LEFT ON TO MADRONE ROAD
- TURN LEFT ON TO SPRING ROAD.

PROJECT DESCRIPTION:

THE PROJECT INCLUDES REMOVING THE EXISTING DRIVEWAY, WHICH HAS A PROHIBITIVELY STEEP GRADIENT, AND REPLACING IT WITH A NEW 90-DEGREE CURVED DRIVEWAY FROM THE ADJACENT PARCEL (APN 109-182-003). A 4' SHOULDER WILL BE CONSTRUCTED ALONG THE WESTERN CIRCUMFERENCE OF THE DRIVEWAY, AND WILL INCLUDE A SPLIT RAIL FENCE ALONG THE TOP.

THE EXISTING PARKING PAD WILL BE EXPANDED TO ALLOW VEHICLE BACKING AND MANEUVERING FROM THE GARAGE, AND REQUIRES THE CONSTRUCTION OF A NEW RETAINING WALL. THE RETAINING WALL WILL BE CONSTRUCTED OF CONCRETE.

STORMWATER RUNOFF FROM THE DRIVEWAY AND PARKING PAD WILL BE DIRECTED INTO A SLOTTED GRATE INSTALLED PARALLEL TO THE GARAGE DOOR, AND TWO DRAINS INSTALLED AT THE BOTTOM OF THE DRIVEWAY. A CORRUGATED METAL PIPE WILL CONVEY FLOW FROM THESE DRAINS, INCLUDING TWO DOWNSPOUTS LOCATED ON THE NORTH SIDE OF RESIDENCE, TO AN OUTLET LOCATED ON THE WEST SIDE OF THE PROPERTY.

APN'S 109-182-003 AND 109-182-004 ARE BEING MERGED TO ACCOMMODATE THE ADDITION OF THE DRIVEWAY.

GENERAL NOTES:

1. PRIOR TO PERMIT FINAL, THE ENGINEERS OF RECORD WILL NEED TO SUBMIT A LETTER OF CERTIFICATION TO THE HUMBOLDT COUNTY BUILDING DEPARTMENT CONFIRMING THE PROJECT HAS BEEN COMPLETED IN CONFORMANCE WITH ALL OF THE REQUIREMENTS OF THE APPROVED SOILS REPORT, GRADING, EROSION AND SEDIMENT CONTROL PLAN.
2. DRAWING SCALE AS NOTED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
3. THIS IS NOT A BOUNDARY SURVEY.



PROJECT INFORMATION:

CLIENT:
MR. BERNARD WOZNAK
1050 SPRING DRIVE
SHELTER COVE, CA 95589

PROPERTY OWNER:
MR. BERNARD WOZNAK
1050 SPRING DRIVE
SHELTER COVE, CA 95589

OWNER'S AGENT:
DTN ENGINEERING AND CONSULTING
2731 K STREET UNIT A
EUREKA, CA 95501
(916) 215-7769

SITE ADDRESS:
APN: 109-182-003 AND 109-182-004
1050 AND 1058 SPRING DRIVE
SHELTER COVE, CA 95589

SHEET INDEX:

- C1 COVER SHEET
- C2 GENERAL NOTES
- C3 ABREVIATION AND LEGEND SHEET
- C4 TOPOGRAPHIC SURVEY
- C5 DEMOLITION PLAN
- C6 GRADING PLAN
- C7 UTILITY PLAN
- C8 EROSION AND SEDIMENT CONTROL PLAN
- C9 DETAILS
- C10 DETAILS

PLOT PLAN

22x34 SHEET: 1"=10'
11x17 SHEET: 1"=20'



NO.	REVISION / PERSON	BY	CHK	DATE

WOZNIAK DRIVEWAY IMPROVEMENT PLANS
COVER SHEET
1050 AND 1058 SPRING ROAD, SHELTER COVE CA
APN'S 109-182-003 AND -109-182-004

DRAWN	JOB
CHECKED	DTN
APPROVED	DTN
DATE	10/10/2017
JOB NUMBER	938.2017
SHEET	C1