

- LEGEND**
- PROPERTY LIMIT
  - TERRA DEL MONTE - PHASE I
  - SEDIMENT CONTROL FENCE OR SILT FENCE BARRIER
  - STABILIZED CONSTRUCTION ENTRANCE/EXIT
  - EXISTING EARTH CHANNEL TO BE FILLED
  - TEMPORARY ACCESS ROAD
  - EXISTING GROUND CONTOUR (5.0 M. INTERVAL)
  - EXISTING GROUND CONTOUR (1.0 M. INTERVAL)

- NOTES**
- 1- DISTANCES ARE IN METERS.
  - 2- COORDINATES ARE IN METERS AND ARE REFERRED TO THE LAMBERT COORDINATES SYSTEM FOR PUERTO RICO (NAD 27).
  - 3- ELEVATIONS ARE IN METERS AND ARE REFERRED TO THE MEAN SEA LEVEL DATUM PLANE (MVD) FROM AN OFFICIAL USGS BENCH MARK.
  - 4- STAGE I OF THE CES PLAN CORRESPONDS TO THE BULK EARTHWORK OPERATIONS.

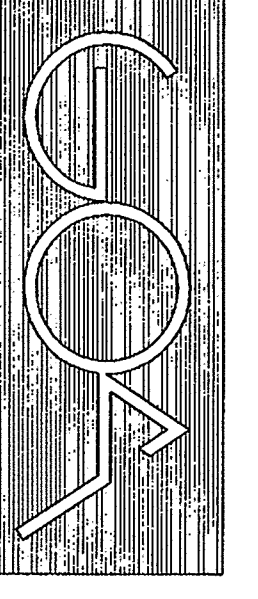
DRAWING NO. <b>C901</b>	DATE 10-JULY-2006		
		SHT. 51	OF 59
<b>CES PLAN - STAGE I</b>			
DESIGNED BY J. BALZAC	CHECKED BY L.R.C.	SCALE 1:2000	GOA NO. 5885
DRAWN BY L.R.E.			

REVISIONS	DATE	REVISIONS	DATE

**TERRA DEVELOPMENT**  
**TERRA DEL MONTE - PHASE I**  
 VEGAS WARD • CAYEY • PUERTO RICO

**OWNER**  
 TERRA II Mc. & P. INC.  
 P.O. BOX 9694  
 SAN JUAN, PR 00908-0694

**GOA**  
**GUILLERMETTY ORTIZ AND ASSOCIATES**  
 Engineers and Architects



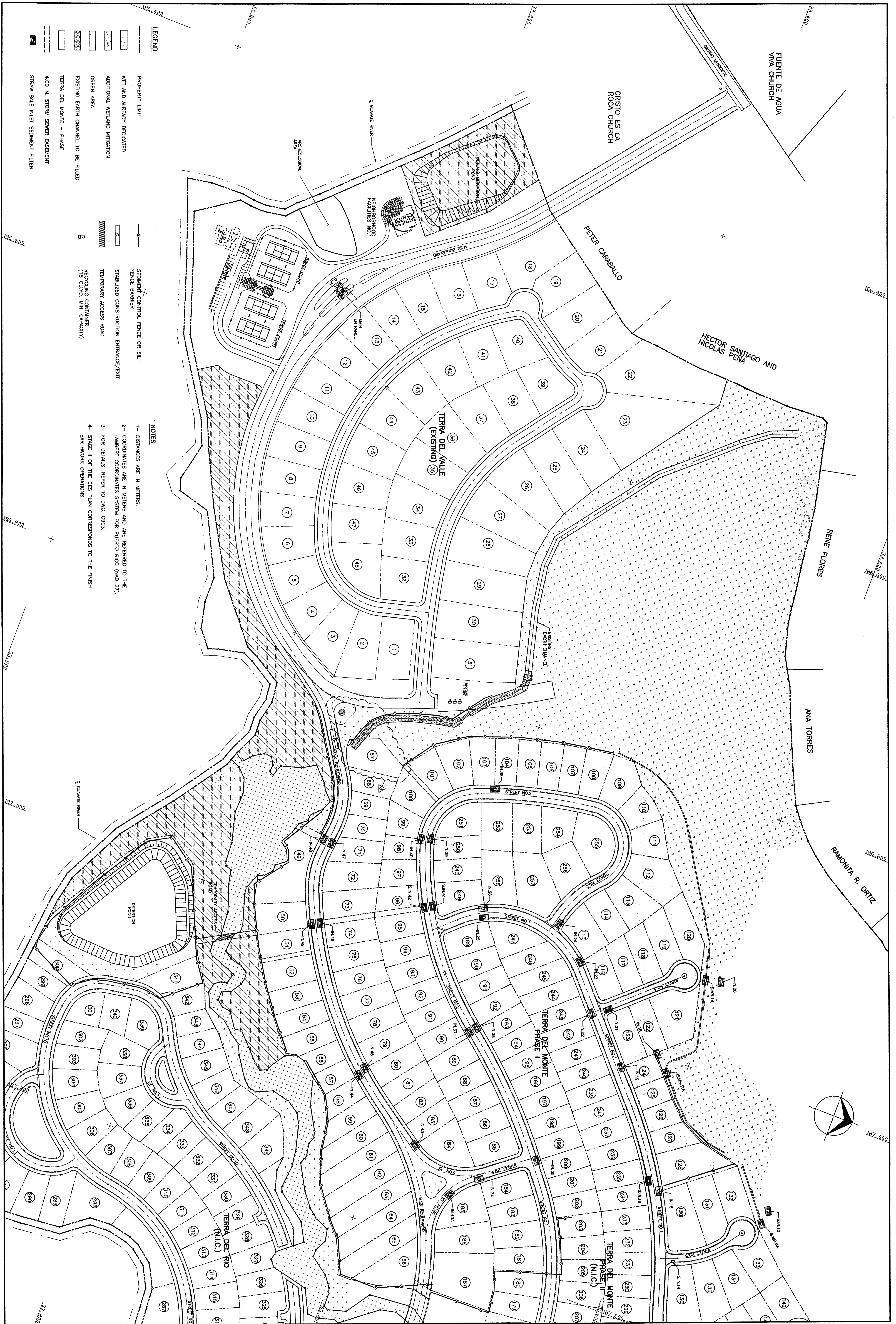
**GUILLERMO  
ORTIZ AND  
ASSOCIATES**  
Engineers and Architects

OWNER  
**TERRA II MC. & P. INC.**  
P.O. BOX 9694  
SAN JUAN, PR 00908-0694

**TERRA DEVELOPMENT  
TERRA DEL MONTE - PHASE I  
VEGAS WARD • CAVEY • PUERTO RICO**

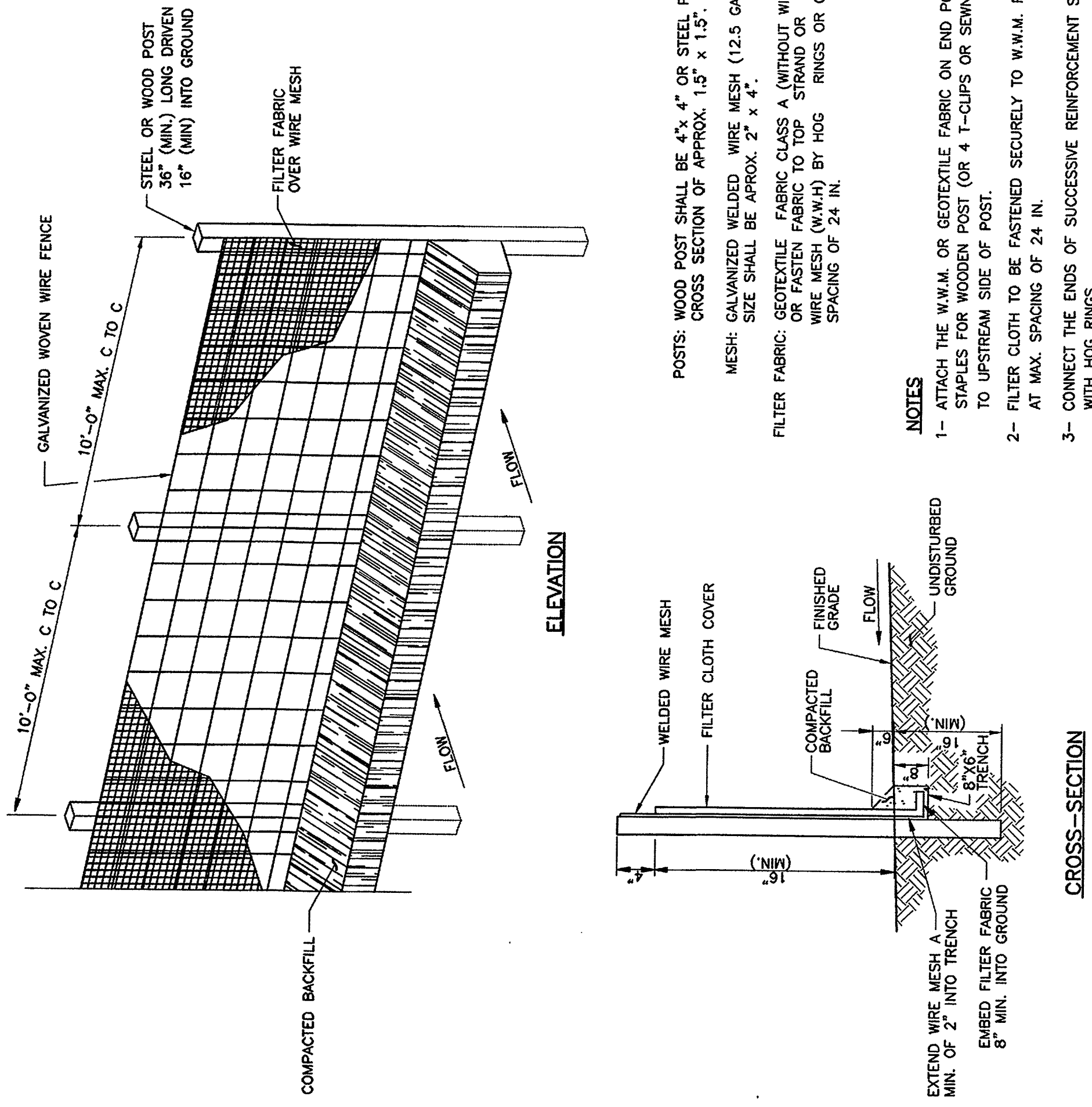
DATE	REVISIONS	DATE	REVISIONS
09-OCT-08	LAYOUT AND AREA OF LOTS NO. 109, 110, 111, 112 AND 120 REVISED.	08-MAY-07	LAYOUT AND AREA OF LOT NO. 67 REVISED.
16-MAR-07	LAYOUT AND AREA OF LOTS NO. 124, 125, 126, 127, 128 AND 187 REVISED. STREET NO. 4 AND LOTS NO. 129 AND 188 DELETED. LAYOUT OF INLETS REVISED.		

DESIGNED BY J. BALZAC	DRAWN BY L.R.E.	CHECKED BY L.R.C.	SCALE 1:1000	COA NO. 3895	DRAWING NO. C902
					SHT. OF 52 OF 59
					DATE 10-JULY-2006



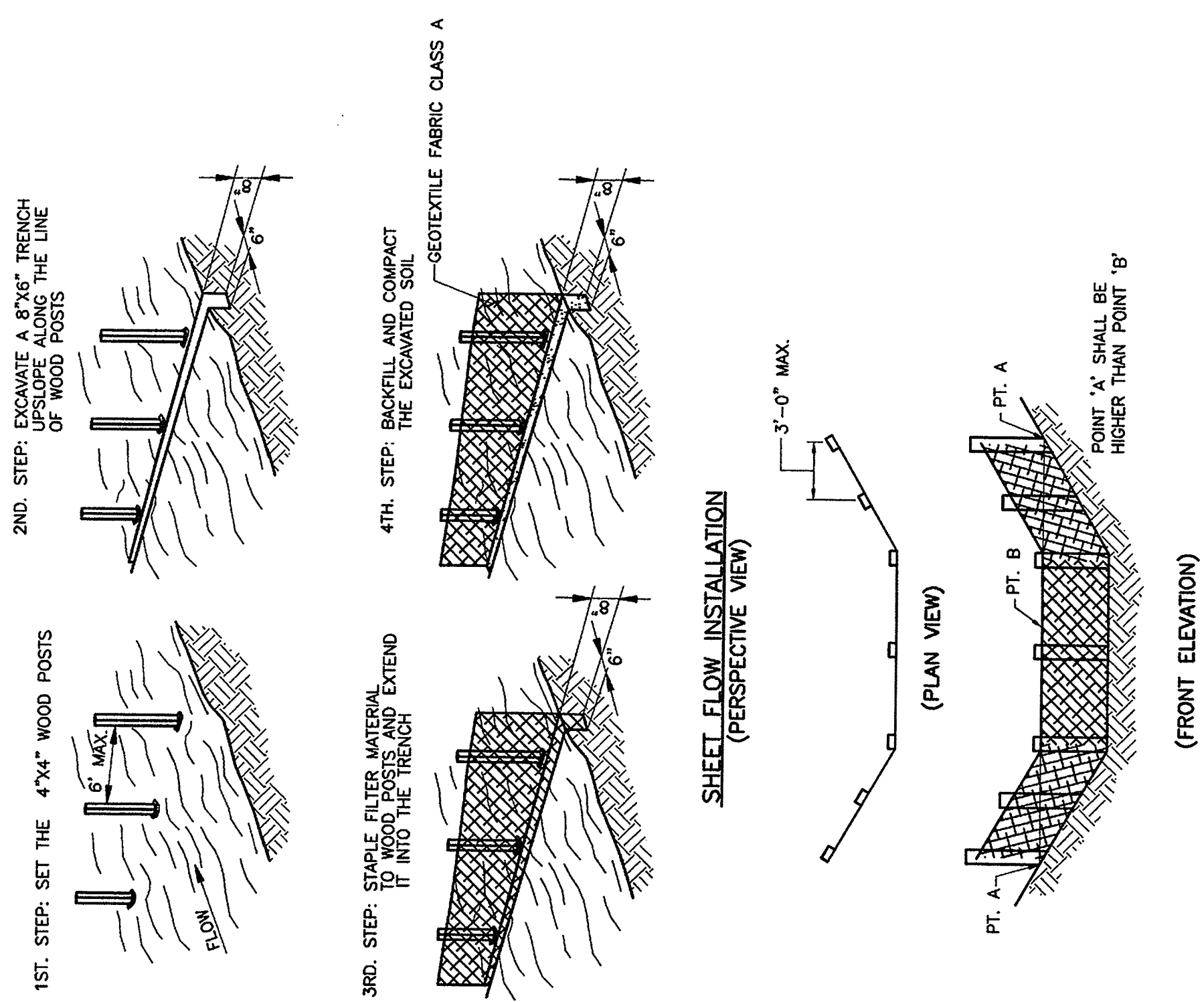
- LEGEND**
- PROPERTY LIMIT
  - WETLAND ALREADY DEDICATED
  - ADDITIONAL WETLAND MITIGATION
  - GREEN AREA
  - EXISTING EARTH CHANNEL TO BE FILED
  - TERRA DEL MONTE - PHASE I
  - 4.00 M. STORM SEWER EASEMENT
  - STRAW BALE INLET SEDIMENT FILTER
  - SEDIMENT CONTROL FENCE OR SILT FENCE BARRIER
  - STABILIZED CONSTRUCTION ENTRANCE/EXIT
  - TEMPORARY ACCESS ROAD
  - RECYCLING CONTAINER (15 CU.YD. MIN. CAPACITY)

- NOTES**
- 1- DISTANCES ARE IN METERS.
  - 2- COORDINATES ARE IN METERS AND ARE REFERRED TO THE LAURENT COORDINATES SYSTEM FOR PUERTO RICO (NAD 27).
  - 3- FOR DETAILS, REFER TO DWG. C903.
  - 4- STAGE II OF THE CES PLAN CORRESPONDS TO THE FINISH EARTHWORK OPERATIONS.



CROSS-SECTION

**TEMPORARY SEDIMENT CONTROL FENCE**  
NOT TO SCALE



SHEET FLOW INSTALLATION (PERSPECTIVE VIEW)

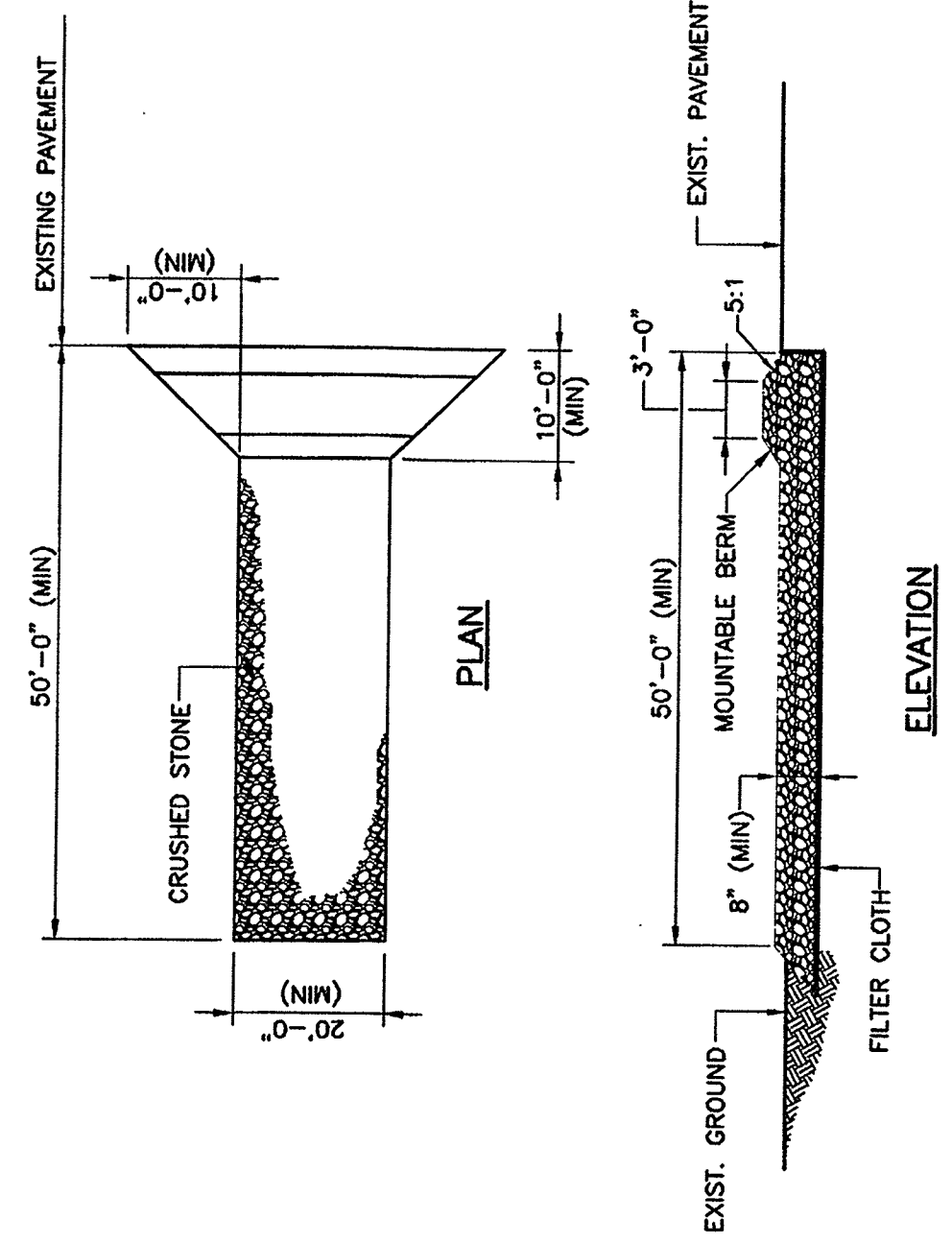
(PLAN VIEW)

(FRONT ELEVATION)

**DRAINAGE WAY INSTALLATION**

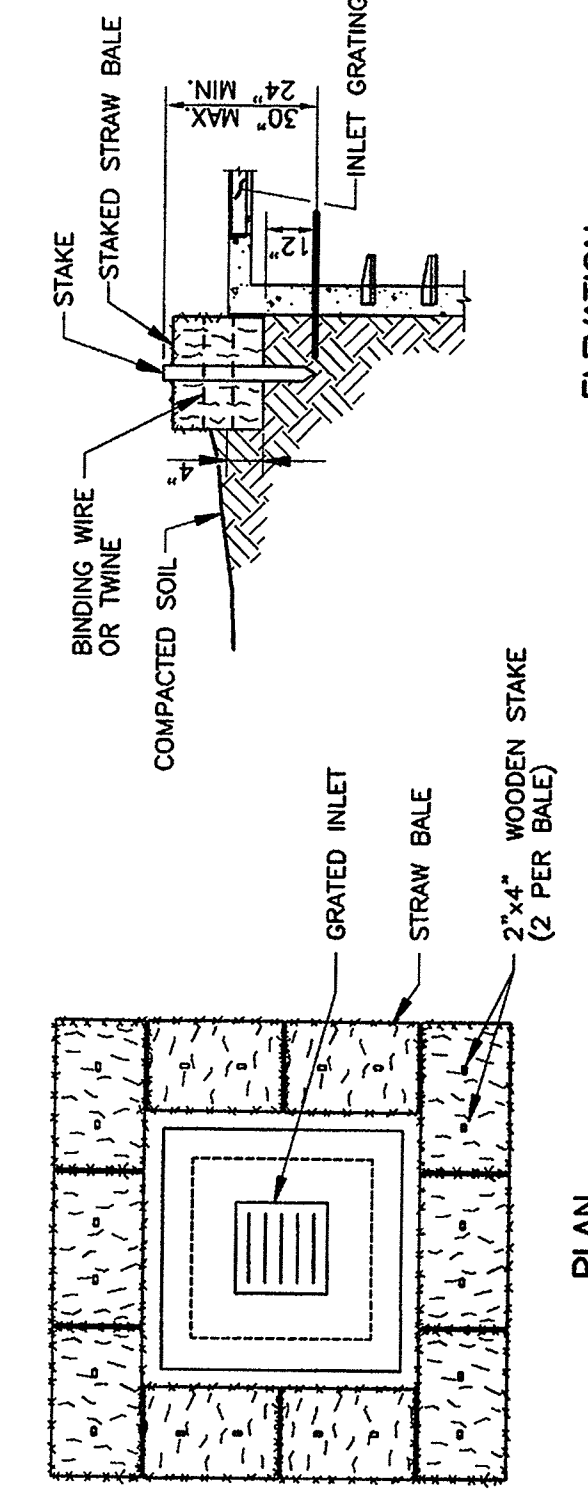
**SILT FENCE BARRIER**

NOTE: INSTALL IN ACCORDANCE WITH TEMPORARY SEDIMENT CONTROL FENCE, EXCEPT AS NOTED ABOVE.



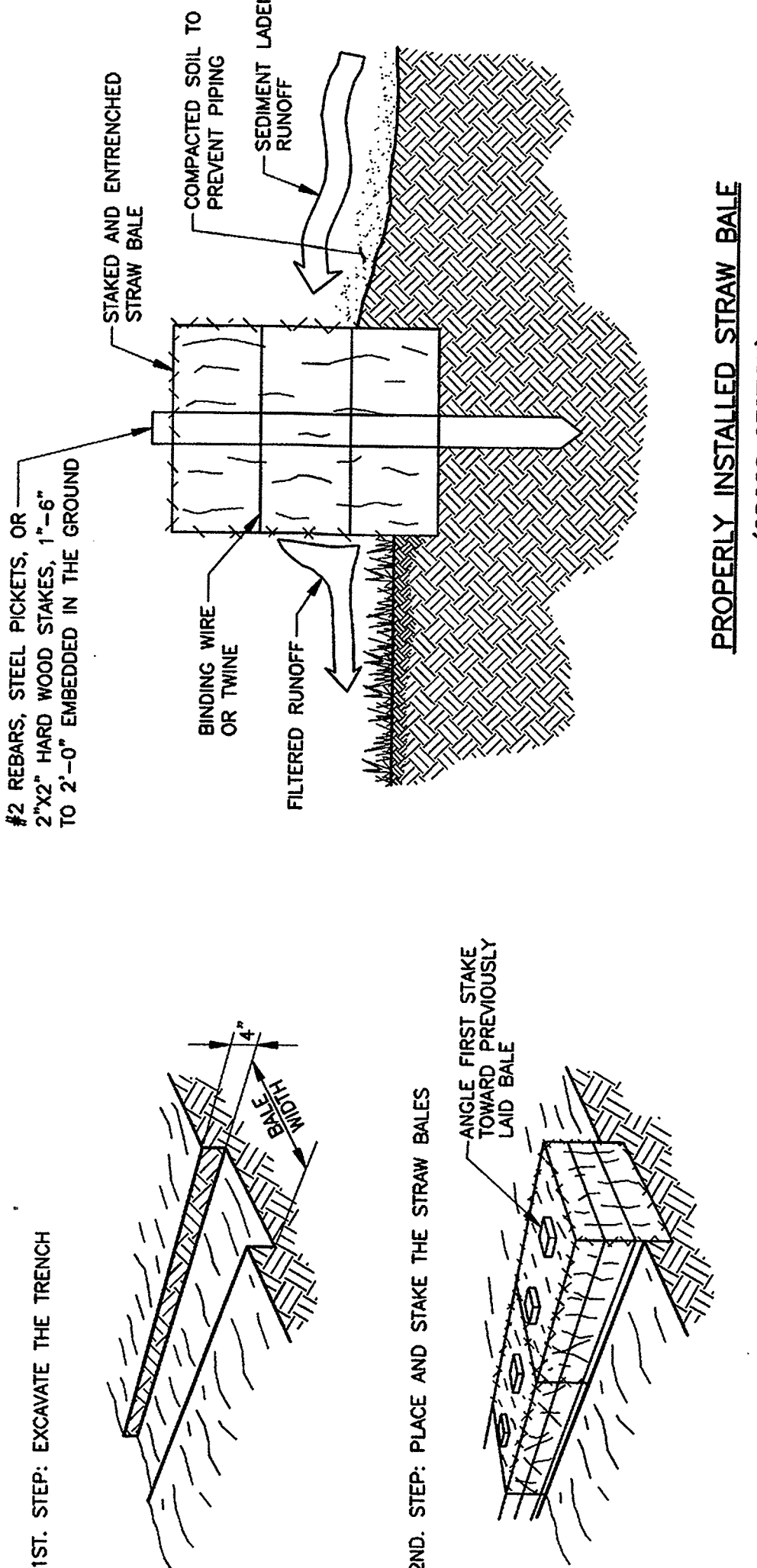
**STABILIZED CONSTRUCTION ENTRANCE/EXIT**  
NOT TO SCALE

- NOTES**
- 1- STONE SIZE: USE MSHA SIZE NO. 2 (2-1/2\"/>

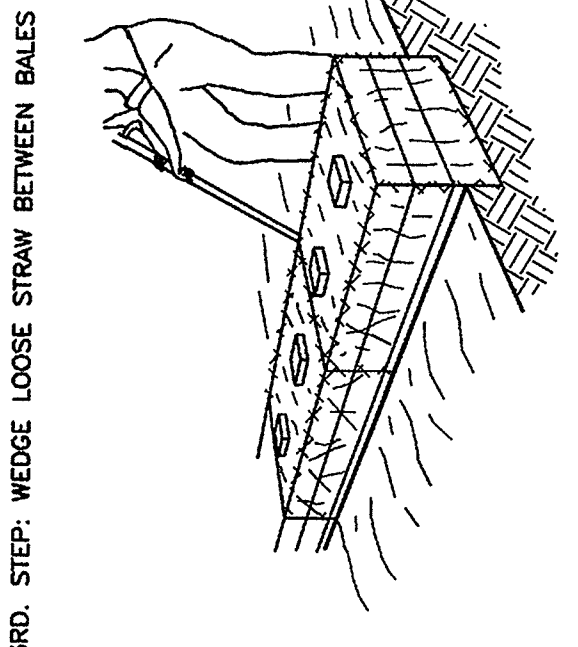


**STRAW BALE INLET SEDIMENT FILTER**  
NOT TO SCALE

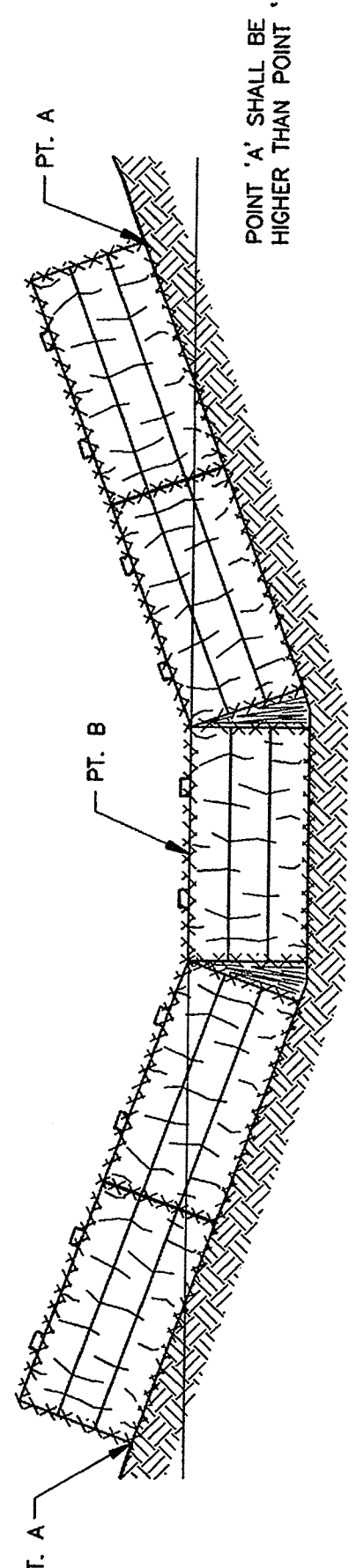
- NOTES**
- 1- BALES SHALL BE EITHER WIRE-BOUND OR STRUNG-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN THE ENDS. THE BALES SHALL BE STAKED TOGETHER IN A SINGLE ROW SURROUNDING THE INLET, WITH ENDS OF ADJACENT BALES PRESSED TOGETHER.
  - 2- THIS BALE SHALL BE ENTRENCHED TO A MINIMUM OF 12\"/>



**PROPERLY INSTALLED STRAW BALE**  
(CROSS SECTION)



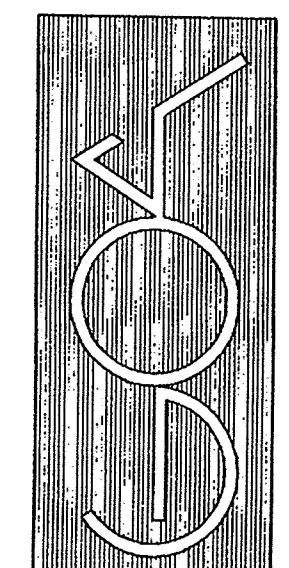
**CONSTRUCTION OF STRAW BALE BARRIER**



**STRAW BALE BARRIER DETAILS**  
NOT TO SCALE

**GENERAL NOTES**

- 1- THE CONTRACTOR SHALL PROVIDE TEMPORARY MEASURE(S) TO DIVERGENT EXISTING DRAINAGE SWALE DURING THE CONSTRUCTION. TEMPORARY SEDIMENT POND AND DEWATERING PUMP(S) MAY BE REQUIRED. THE CONTRACTOR SHALL SUBMIT A SWALE REROUTING PLAN INCLUDING A SCHEDULE OF CONSTRUCTION AND EROSION CONTROL MEASURES. CALCULATIONS FOR PILING (IF EMPLOYED), AND EROSION CONTROL MEASURES, WHERE APPLICABLE. CONTRACTOR SHALL ALSO CONSIDER THE WINDING UP AND STOPPAGE FOR EMERGENCY USE DURING STORM EVENTS.
- 2- THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER. DITCHES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL PROVIDE MEASURES TO MANAGE SURFACE WATER SUCH THAT IMPACT TO CONSTRUCTION AND/OR SURROUNDING FACILITIES IS MINIMIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION, SEDIMENT TRANSPORT, DISTURBED AREAS, AND DAMAGE TO EXISTING UTILITIES OR OTHER DAMAGE CAUSED DURING CONSTRUCTION AS A RESULT OF EROSION CONTROL MEASURES/DEVICES INCLUDING BUT NOT LIMITED TO HAY BALES, SILT FENCES, TEMPORARY SWALES, DIVERSION BERMS AND/OR PILING TO PREVENT SEDIMENT TRANSPORT OUTSIDE THE LIMITS OF CONSTRUCTION.
- 3- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INCORPORATE EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE NOTES AND DETAILS HEREIN PROVIDED.
- 4- SILT BARRIERS AND HAY BALES SHALL BE INSTALLED AS SHOWN OR DIRECTED BY THE ENGINEER.
- 5- DO NOT DISTURB AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THESE PLANS. DISTURBANCE OUTSIDE THESE LIMITS WILL BE REPAIRED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6- CONTRACTOR SHALL PROVIDE CONTROL MEASURES FOR FUGITIVE DUST AT ALL TIMES.
- 7- WATER TRUCKS SHALL BE AVAILABLE ON-SITE TO MINIMIZE FUGITIVE DUST IN ACCORDANCE WITH THE ENVIRONMENTAL QUALITY BOARD REGULATIONS (EQB).



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**TERRA DEL MONTE - PHASE I**  
VEGAS WARD • CAYEY • PUERTO RICO

DATE	REVISIONS	DATE	REVISIONS

DESIGNED BY J. BALZAC	DRAWN BY L.R.C.	CHECKED BY L.R.C.	SCALE NOT TO SCALE	GOA NO. 3893	DATE 10-JULY-2006
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**CES PLAN - GENERAL DETAILS**

DRAWING NO.  
C903

SHT. OF  
53 OF  
59