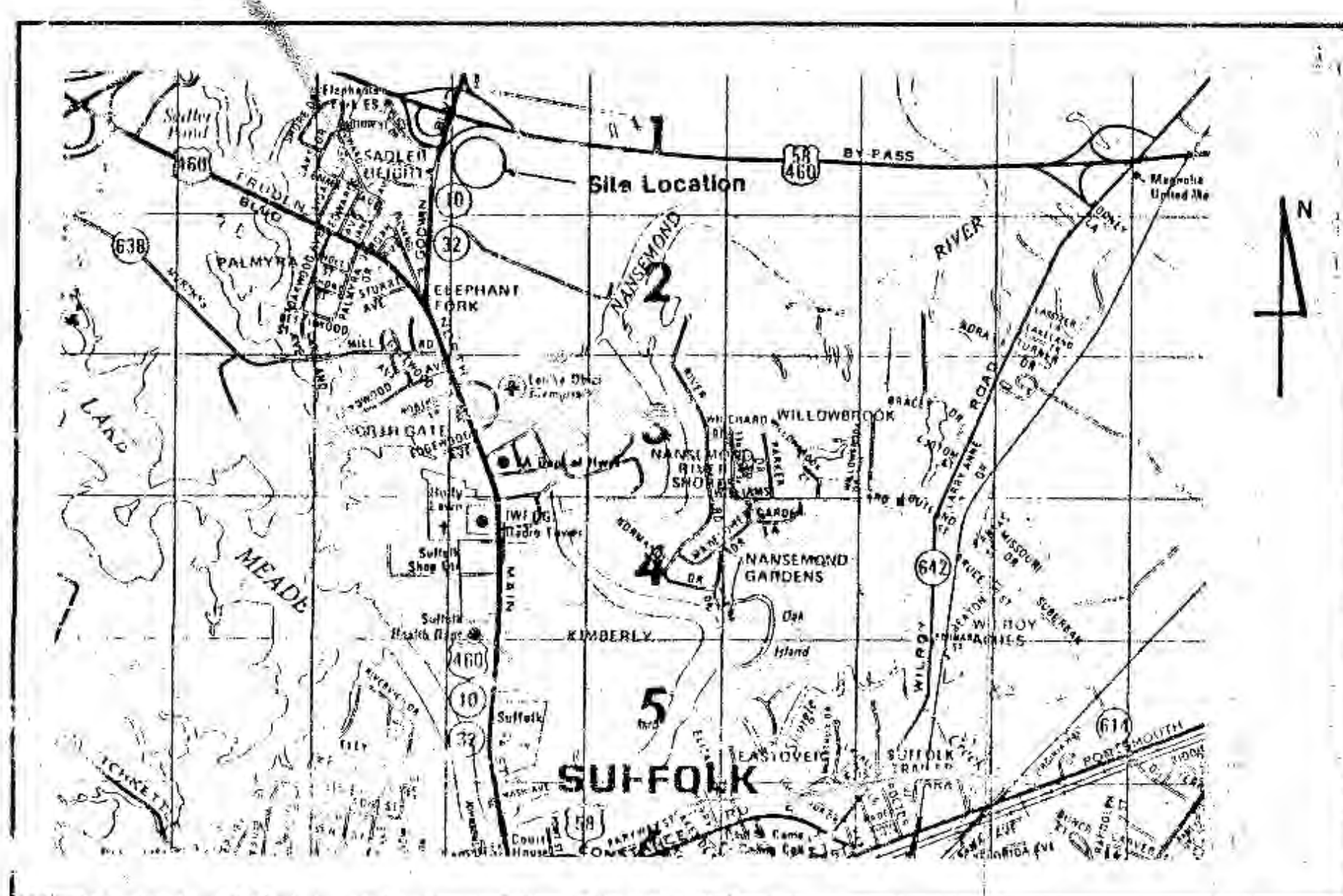


# **E.R.W. STERN TIDEWATER REGIONAL JAIL** SUFFOLK, VIRGINIA

## CONSULTANTS


**CONSTRUCTION CONTROL CORPORATION**  
 PROJECT MANAGER  
 P.O. BOX 3107  
 SUFFOLK, VA 23434

**JAMES MCFARLAND + ASSOCIATES, INC.**  
 FOOD SERVICE CONSULTANTS  
 8122 PERRY HIGHWAY  
 PITTSBURGH, PA 15237



VICINITY MAP

### ONE-STORY MASONRY WALL BEARING STRUCTURE

The following are U.L. no.'s for walls, floors, ceilings and roof assemblies:

- A. Exterior walls - U.L. #U904, U911, U913 - min. rating 3 hours.  
NOTE: Min. rating of 4 hours at shaded wall locations, reinforced and concrete-filled.
- B. 8" interior walls (bearing and non-bearing) - U.L. #U905 - U907  
min. rating of 3 hours at shaded wall locations, reinforced and concrete-filled.
- C. Typical ceiling between cells - U.L. #U901 - max. rating 3 hours.
- D. Mechanical Equipment Room 2000, Mechanical Equipment rooms above all Control Rooms and Personal Laundry floor systems shall be protected utilizing cementitious fireproofing system (3 hour U.L. #G701) to the entire structural substrate including entire structure & D739 members, girders, trusses, beams, joists, joists, metal decking, etc.
- E. All roof/ceiling systems throughout structure (including Mechanical Equipment Room) will be protected utilizing a cementitious fireproofing system (2 hour U.L. D739) to the entire structure members, girders, trusses, beams, joists, joists, metal decking, etc.

### THE BOCA NATIONAL BUILDING CODE/1987

**BUILDING USE GROUP**  
 GROUP I INSTITUTIONAL BUILDING (I-3)  
**USE CONDITION IV**  
 CITY CORRECTIONAL INSTITUTION (DETENTION OF PEOPLE UNDER RESTRAINT AND RESTRICTED MOVEMENT)  
**BUILDING CONSTRUCTION CLASSIFICATION**  
 TYPE 1 (NON-COMBUSTIBLE) - PROTECTED 1A  
**BUILDING HEIGHT IN STORIES**  
 SINGLE STORY WITH INTERMEDIATE MEZZANINES AT CELL MODULES (APPROX. 24'-0")  
**BUILDING SQUARE FOOTAGE ANALYSIS**  
 FIRST FLOOR: 105,545 S.F.  
 SECOND FLOOR MECH. EQUIP.: 6,602 S.F.  
 HOUSING MEZZANINES: 23,126 S.F.  
 SLABS AT CONTROL ROOMS: 4,016 S.F.  
 EXT. RECREATIONAL: 13,111 S.F.  
**TOTAL:**  
 152,400 S.F.

NOTE: All walls shall be protected with automatic fire suppression system. Also, each housing module will be provided with a separate smoke evacuation system.

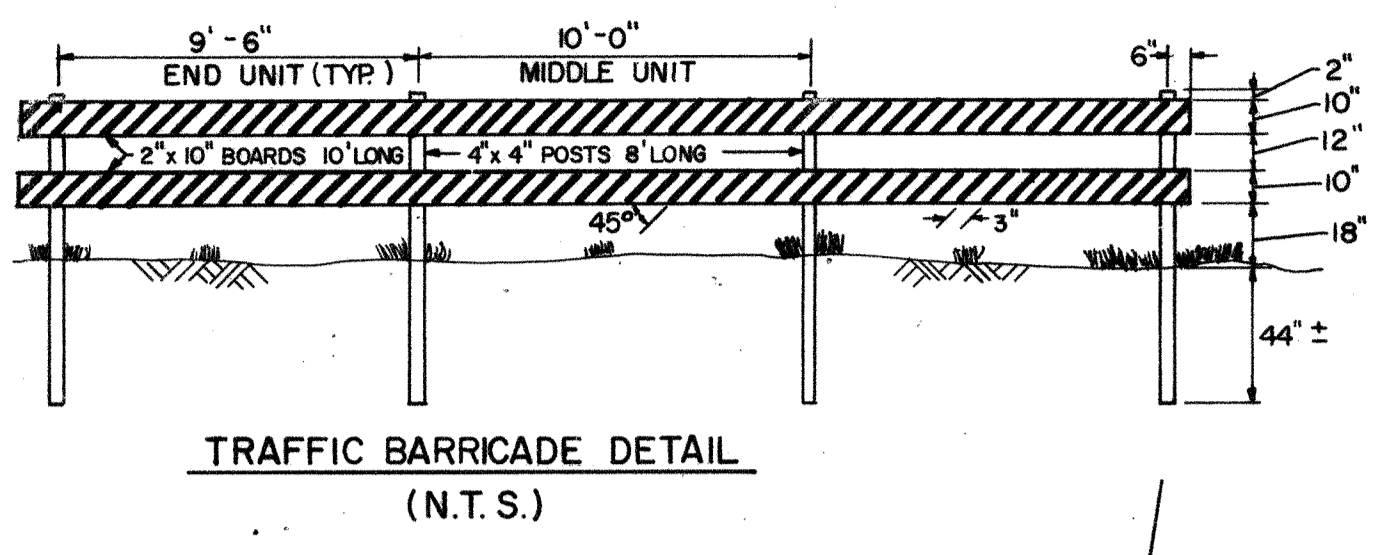

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 Ebensburg, PA

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REVISION	DATE	BY	DESCRIPTION
1	6-26-90	AK	ISSUE FOR PERMITS

**WESTERN TIDEWATER REGIONAL JAIL**  
 SUFFOLK, VIRGINIA

REVISION NUMBER	REVISIONS	DATE	BY
1	DATA COR. PER D.S. BEHREND, P.D.S.T.	10-29-90	A.S.
2	OUTLET PROTECTION	12-15-90	D.W.L.



Barricade rails should be supported in a manner that will allow them to be seen by the motorist and provide a stable support not easily blown over by the wind or traffic. The reflectorized area shall have a smooth, sealed outer surface. The predominant color for other barricade components shall be white, except that unpainted galvanized metal or aluminum components may be used. Because of their vulnerable position and the possible hazard they could create, barricades should be constructed of lightweight materials and have no rigid stay bracing.

Planks to be fastened to post with 2 3/8" x 6 1/2" carriage bolts and washers or with 2 7/16" x 4" lag screws and washers.

Bolts and screws not to be placed closer than 2" from edge of planks.

This barricade to be placed at end of all dead end streets.

**Characteristics**

Color of stripes reflectorized red and reflectorized white

Width of stripes 6 inches

Number of reflectorized rail faces 4 (2 each direction)

For wooden components nominal lumber dimensions will be satisfactory.

This barricade is described in Section 6C-3, Manual on Uniform Traffic Control Devices, U.S. Department of Transportation, 1978

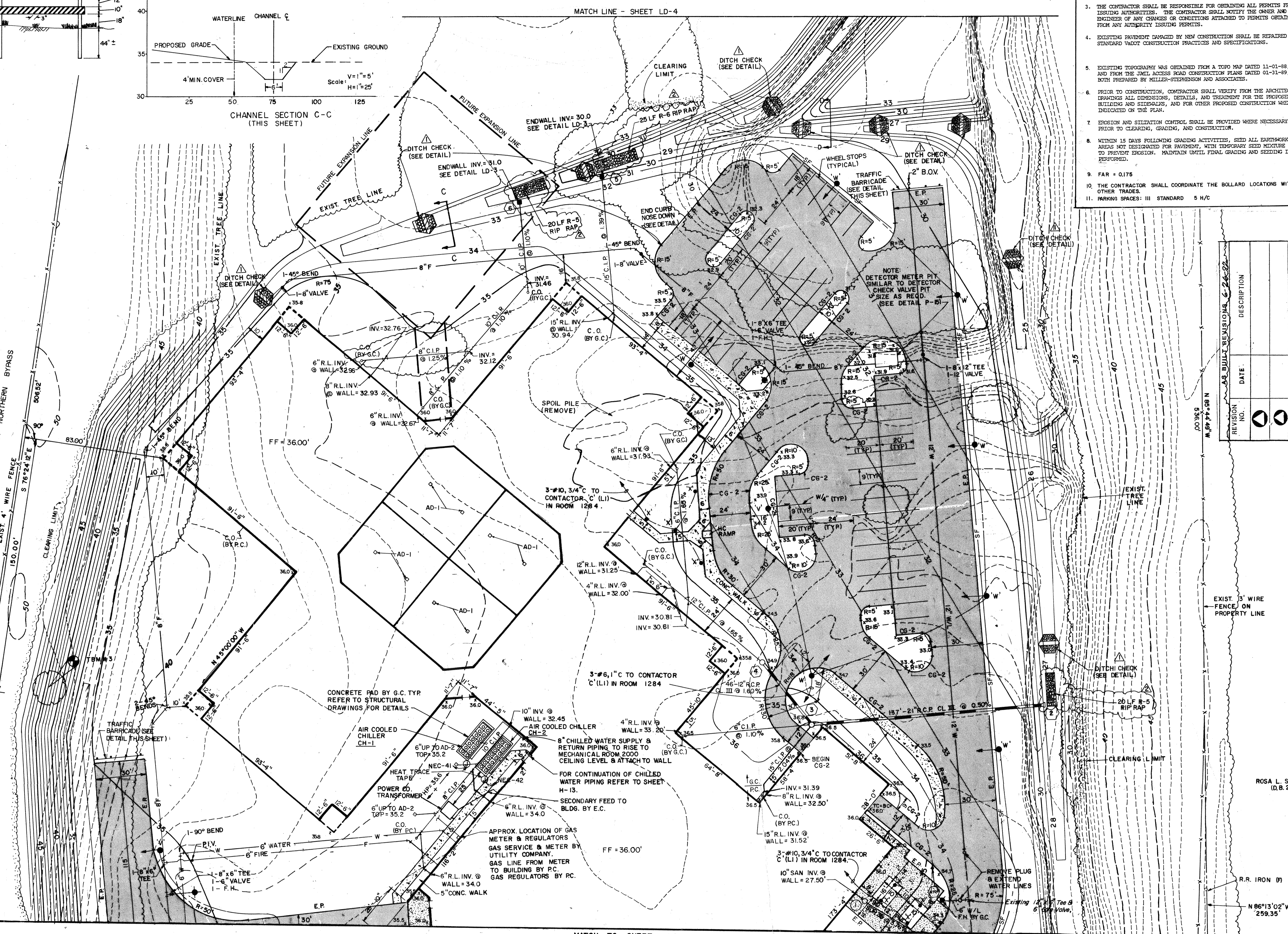
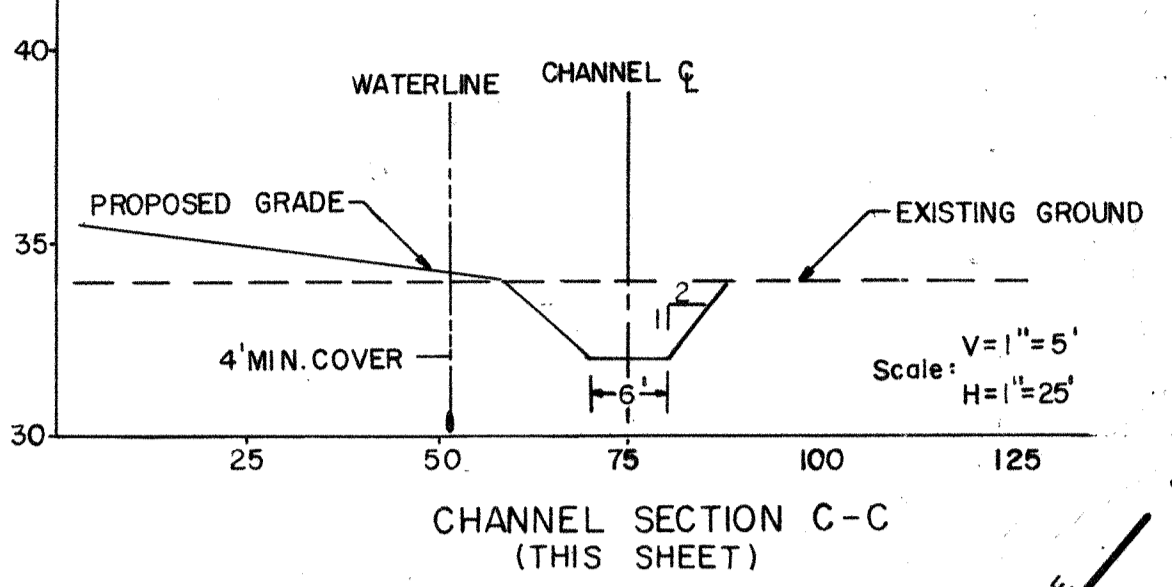
**LIST OF UTILITIES**

**WATER:**  
CITY OF SUFFOLK  
WATER DEPARTMENT  
P.O. BOX 1838  
SUFFOLK, VA 23434  
PHONE 804/934-3111

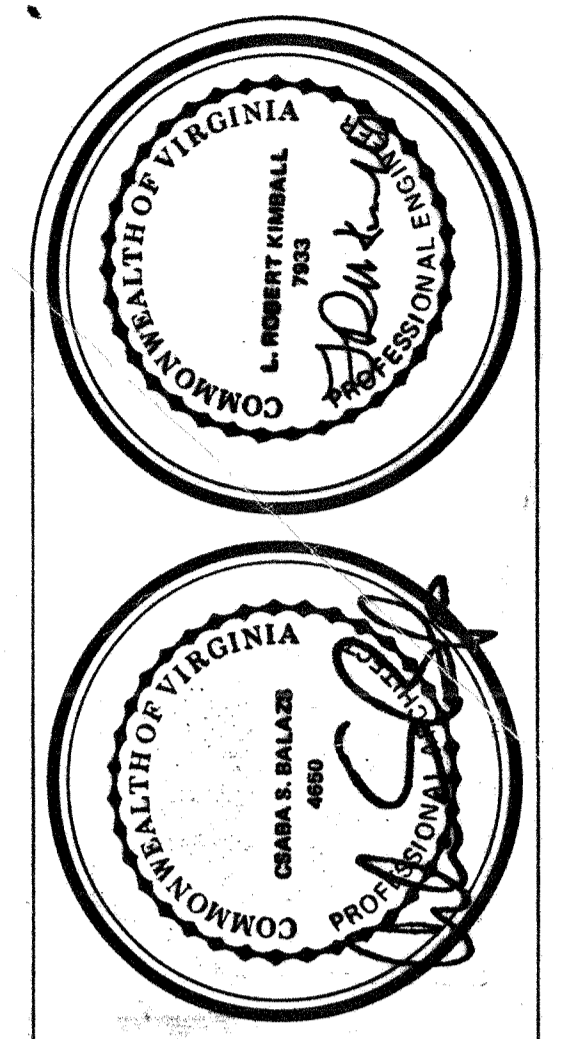
**TELEPHONE:**  
CHESAPEAKE AND POTOMAC TELEPHONE CO  
2920 ELMHURST LANE  
PORTSMOUTH, VA 23701  
PHONE 804/625-6157

**GAS:**  
VIRGINIA NATURAL GAS COMPANY  
130 COMMERCE STREET  
SUFFOLK, VA 23430  
PHONE 804/539-2376

**ELECTRIC:**  
VIRGINIA POWER  
P.O. BOX 1310  
SUFFOLK, VIRGINIA 23434  
PHONE 804/539-2311



- GENERAL NOTES**
- PROPOSED CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL ORDINANCES, SPECIFICATIONS, AND REQUIREMENTS.
  - ALL GRASS-LINED CHANNELS MUST BE IN A WELL STABILIZED CONDITION AND SHOW NO SIGNS OF EROSION AT THE TIME OF FINAL ACCEPTANCE BY THE MAINTAINING AUTHORITY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FROM THE MAINTAINING AUTHORITY. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY DURING CONSTRUCTION.
  - EXISTING PAVEMENT GRADING BY NEW CONSTRUCTION SHALL BE RETAINED PER STANDARD PRACTICES AND SPECIFICATIONS.
  - EXISTING TOPOGRAPHY WAS OBTAINED FROM A TOPO MAP DATED 11-01-88, AND FROM THE SWELL ACCESS ROAD CONSTRUCTION PLANS DATED 01-31-89, BOTH PREPARED BY MILLER-STEPHENSON AND ASSOCIATES.
  - PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY FROM THE ARCHITECTURAL DRAWINGS ALL DIMENSIONS, DETAILS, AND REQUIREMENTS FOR THE PROPOSED BUILDING AND SIDEWALKS, AND FOR OTHER PROPOSED CONSTRUCTION WHERE INDICATED ON THE PLAN.
  - DESIGN AND SILLING CONTROL SHALL BE PROVIDED WHERE NECESSARY PRIOR TO CLEARING, GRADING, AND CONSTRUCTION.
  - WITHIN 15 DAYS FOLLOWING GRADING ACTIVITIES, SEED ALL EXPOSED AREAS NOT DESIGNATED FOR PAVEMENT, WITH TEMPORARY SEED MIXTURE TO PREVENT EROSION. MAINTAIN UNTIL FINAL GRADING AND SEEDING IS COMPLETED.
  - FAR = 0.175
  - THE CONTRACTOR SHALL COORDINATE THE BOLLARD LOCATIONS WITH OTHER TRUCKS.
  - PARKING SPACES: III STANDARD 5 M/C



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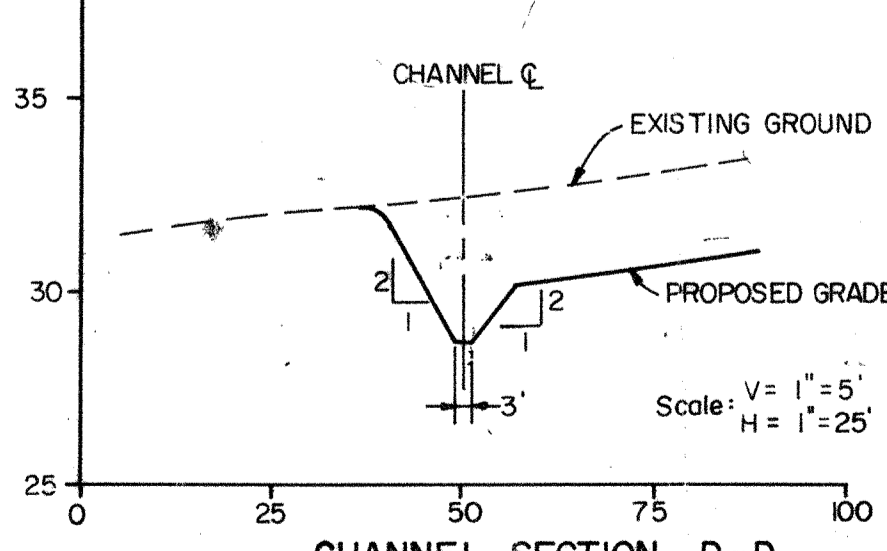
REVISION NO.	DATE	DESCRIPTION
1		
2		
3		

**STORM SEWER TABLE**

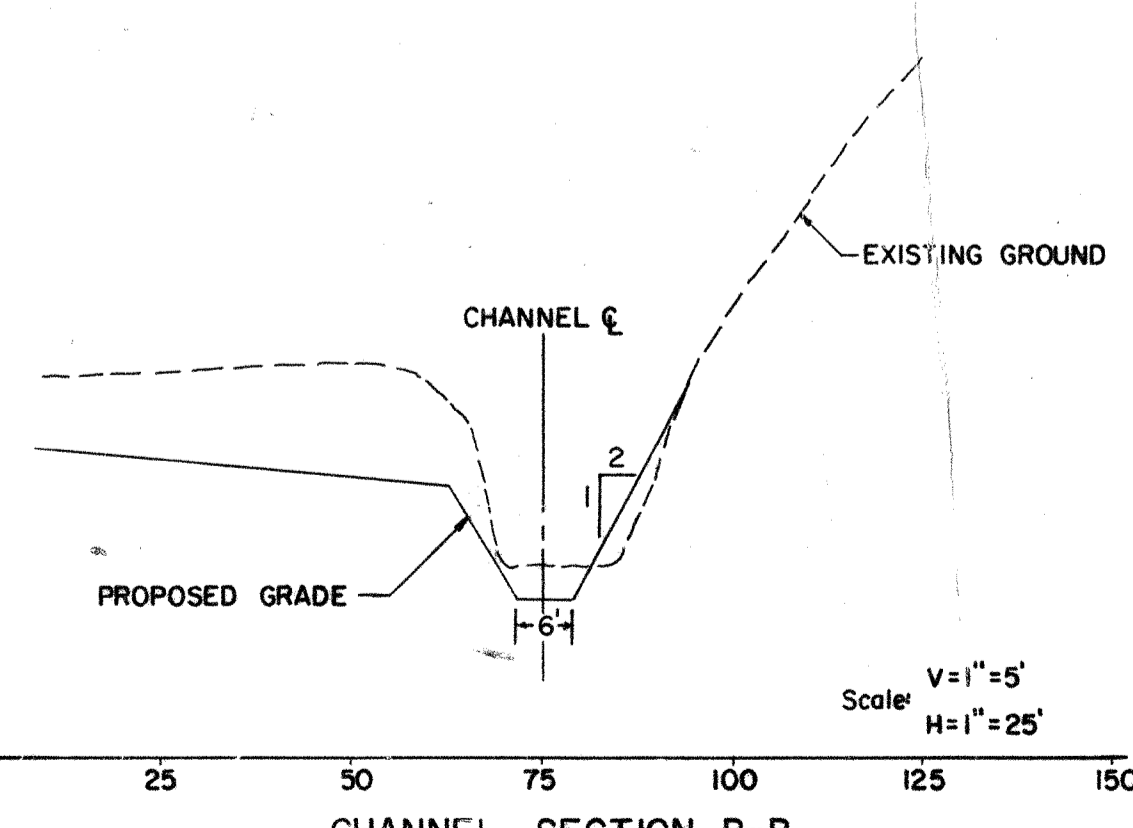
- 2 STD. VDOT END SECTION  
INV. = 27.30'
- 3 STD. VDOT M.H.  
TOP = 36.20'  
INV. IN = 30.38 (15" C.I.P.)  
INV. IN = 32.32 (6" C.I.P.)  
INV. IN = 28.73 (12" R.C.P.)  
INV. OUT = 27.98'
- 4 STD. VDOT M.H.  
TOP = 35.20'  
INV. IN = 29.67'  
INV. OUT = 29.47'

**SANITARY SEWER TABLE**

- 1 STD. SANITARY M.H.  
TOP = 29.60'  
INV. IN = 27.40'  
INV. OUT = 27.30'
- 5 ENDWALL  
INV. = 30.00'
- 6 ENDWALL  
INV. = 31.00'

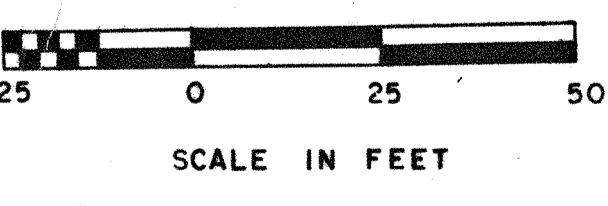


**MATCH TO SHEET LD/HPE-2**



**LEGEND**

- EXISTING CONTOUR --- 30 ---
- PROPOSED CONTOUR --- 30 ---
- WATERLINE & APPURTENANCES --- W ---
- FENCE --- X --- X ---
- PROPERTY LINE --- FM ---
- SEWER LINE: FORCE MAIN --- FM ---
- LIGHT FIXTURE --- SF ---
- SILT FENCE --- SF ---
- EXISTING DRAINAGE --- 7 ---
- PROPOSED DRAINAGE --- 7 ---
- TEE REDUCER VALVE
- FIRE HYDRANT (F.H.)
- POST INDICATOR VALVE P.I.V.
- BLOW OFF VALVE B.O.V.



**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

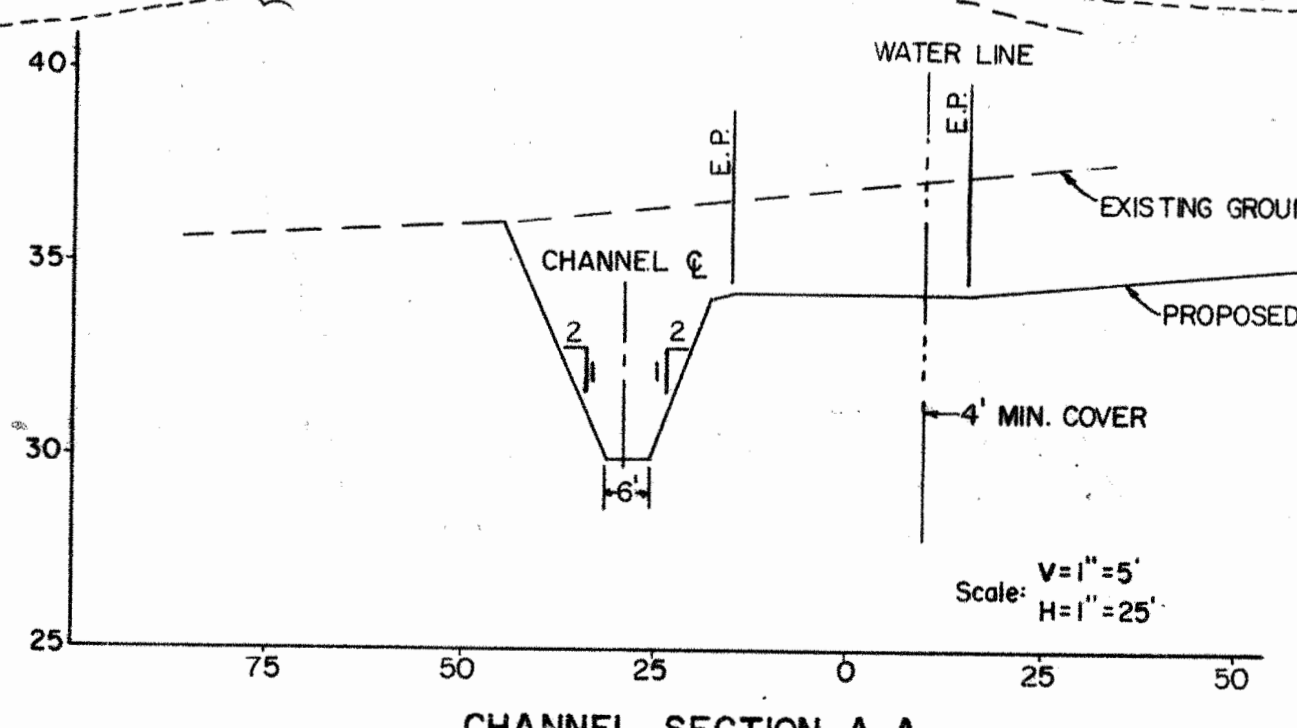
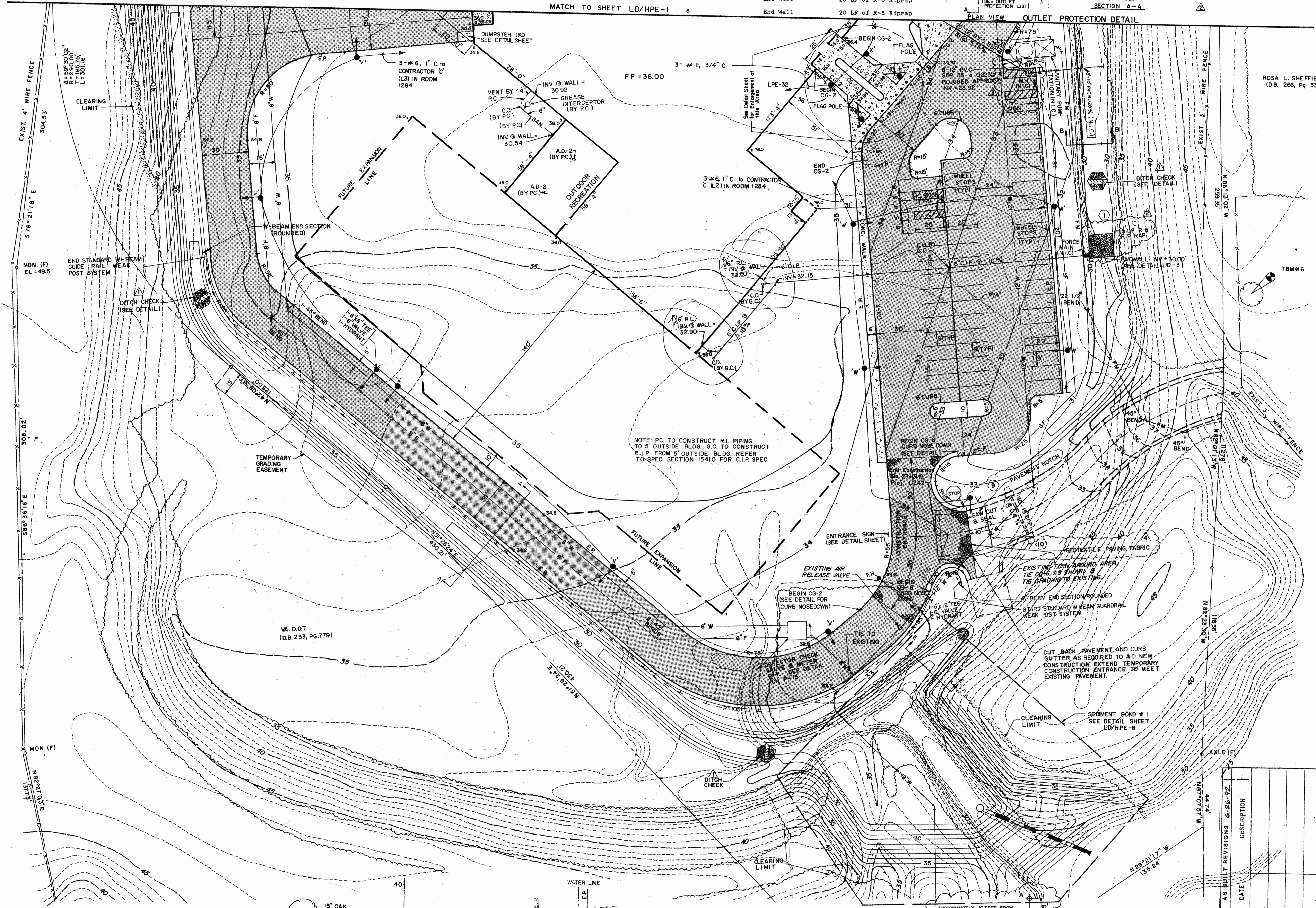
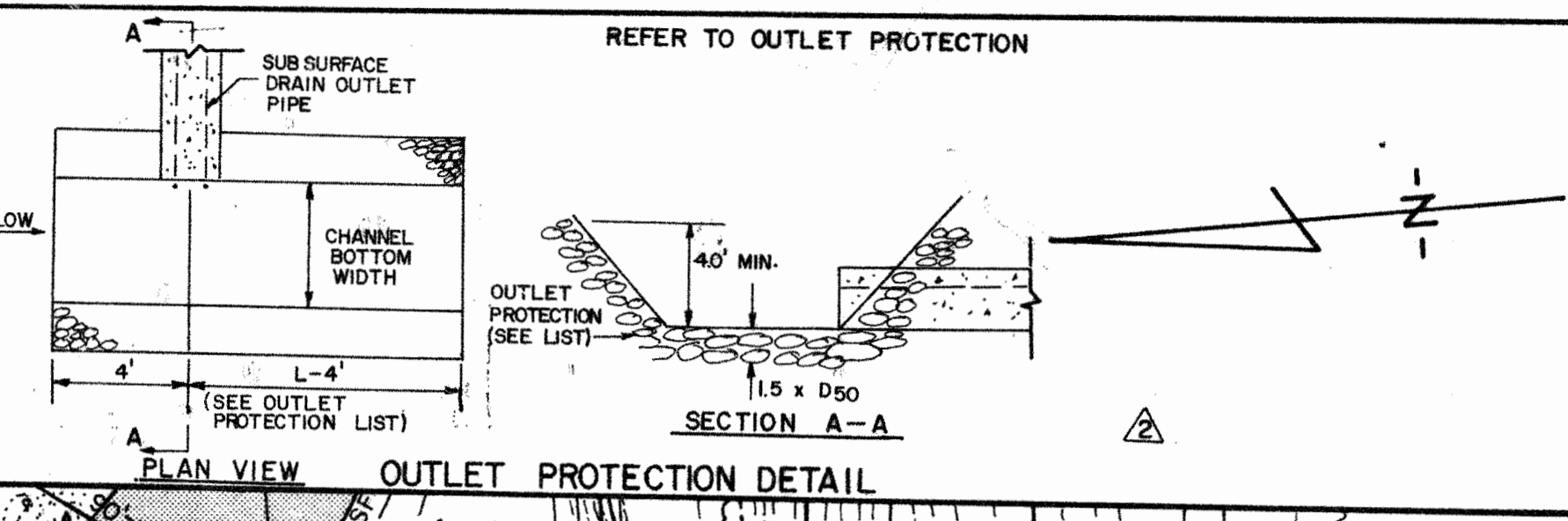
**SITE PLAN**  
DATE 9-24-90  
SCALE 1" = 25'



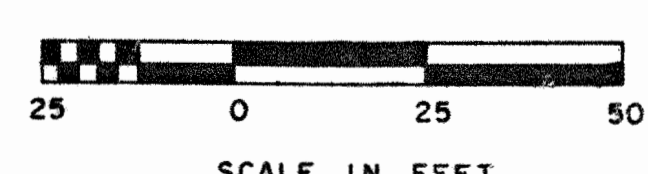
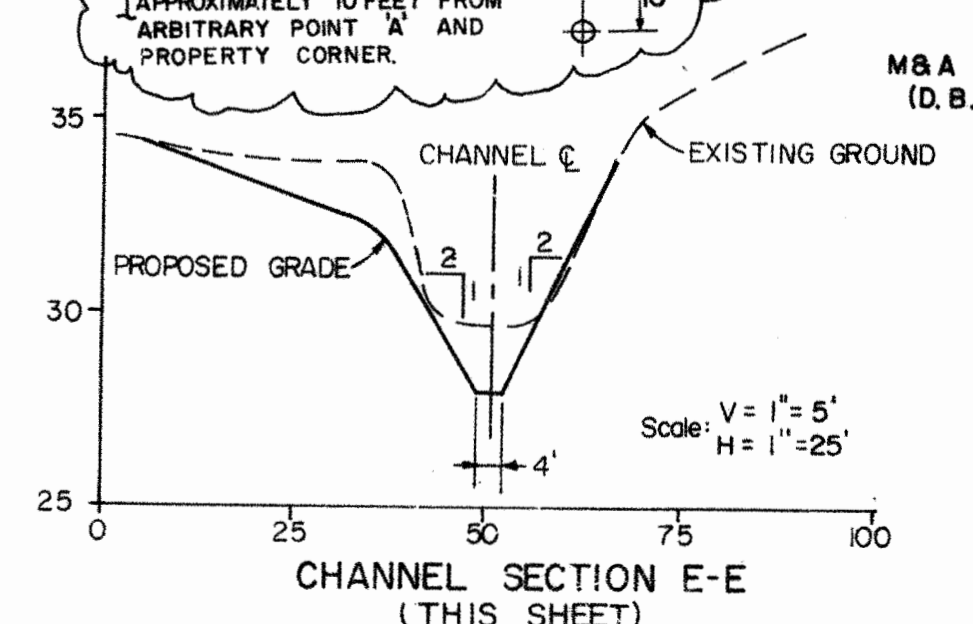
MATERIALS & INSTALLATION OF GUARDRAIL SHALL CONFORM TO VIRGINIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.  
 GEOTEXTILE PAVING FABRIC SHALL BE DUPONT REEPAVE OR AN APPROVED EQUIVALENT EQUAL INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

REVISION NUMBER	REVISIONS	DATE	BY
1	DIT. CKY. PAVING, CURB & ETC. BEHINDING DIST.	10-23-90	A.J.S.
2	OUTLET PROT. TAB.	11-14-90	A.J.S.
3	STRIPING & HC SIGNS (NO SPACE)	12-15-90	D.W.L.
4	GUARDRAIL AND GEOTEXTILE PAVING FABRIC NOTE 12-17-90	A.J.S.	

Drainage Structure	Structure Type	Outlet Protection (L.Ft.)
1	End Wall	15 LF of R-3 Riprap
2	End Section	20 LF of R-5 Riprap
3	MH	N/A
4	MH	N/A
5	End Wall	25 LF of R-6 Riprap
6	End Wall	20 LF of R-5 Riprap

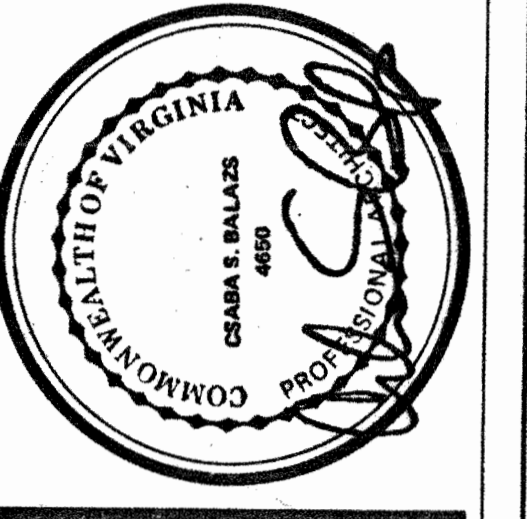


NO.	DESCRIPTION
9	STA. 22+78.95, 16' RT. STD. VDOT DI-3C L-16 RIM ELEV. 32.67 INV. (W)=28.75
10	STA. 22+78.95, 16' LT. STD. VDOT DI-3C L-16 RIM ELEV. 32.67 INV. (E)=28.63 INV. (W)=28.53
11	STA. 22+85.28, 28' LT. STD. VDOT REC. ES-2 W/EC-1 INV. = 28.49
12	ENDWALL INV. = 30.00

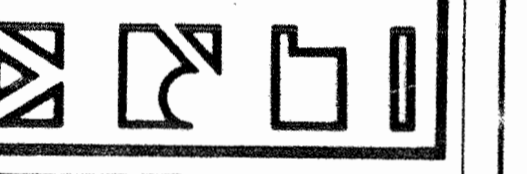


- TBM #2  
R/R Spike in 15' Oak Tree  
Elevation = 47.25'
- TBM #6  
R/R Spike in Oak Tree  
Tree Elevation = 47.77'

REVISION NO.	DATE	DESCRIPTION
AS BUILT REVISIONS 6-26-92		



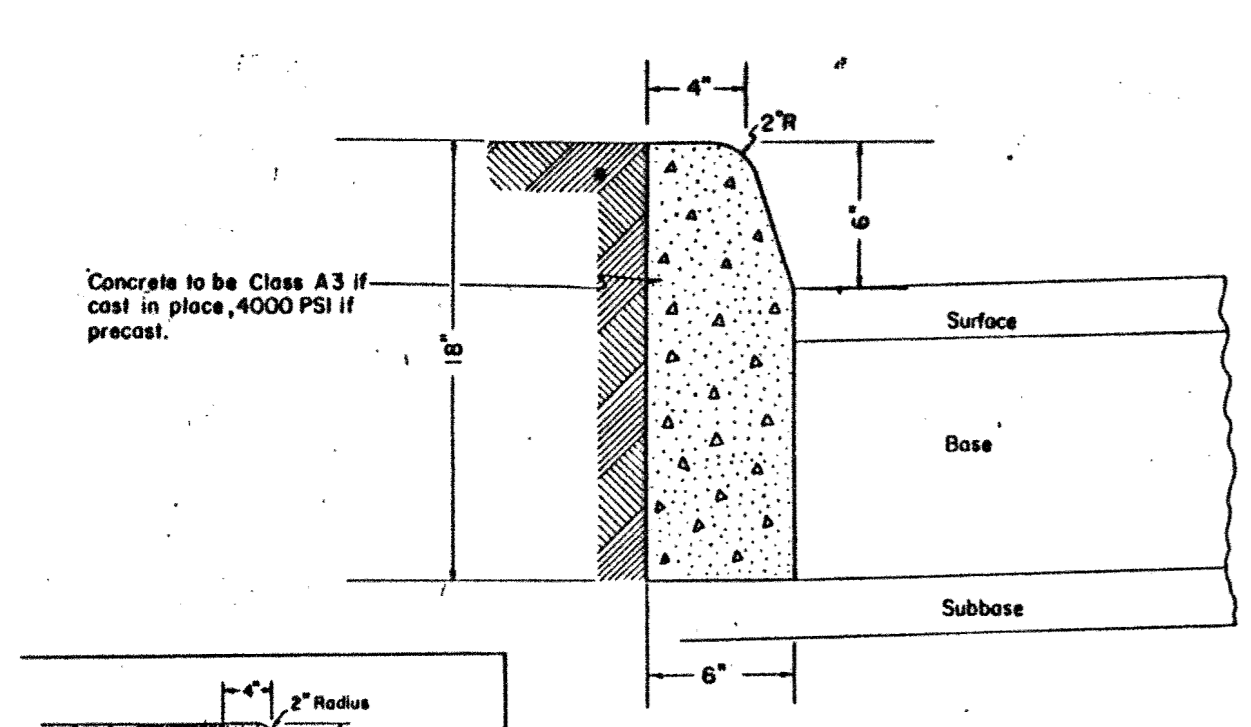
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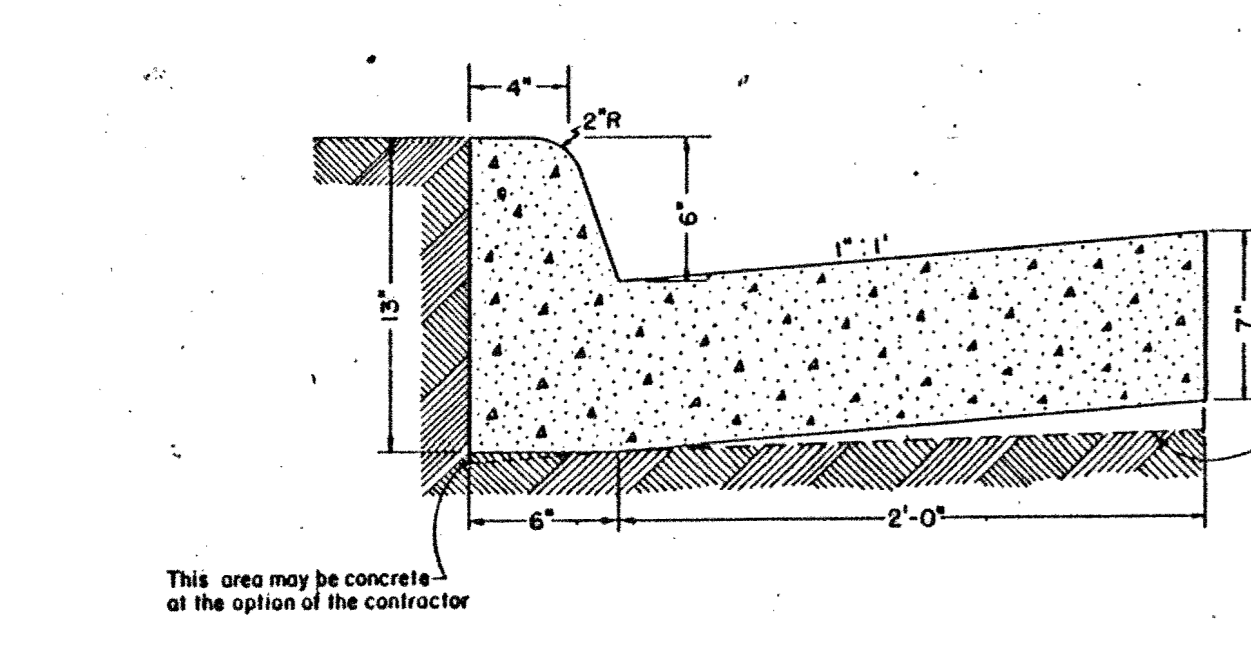
**WESTERN TIDEWATER REGIONAL JAIL**  
 Suffolk, Virginia

**SITE PLAN**  
 DATE 9-24-90  
 DRAWN BY A.J.S.  
 CHECKED BY D.W.L.

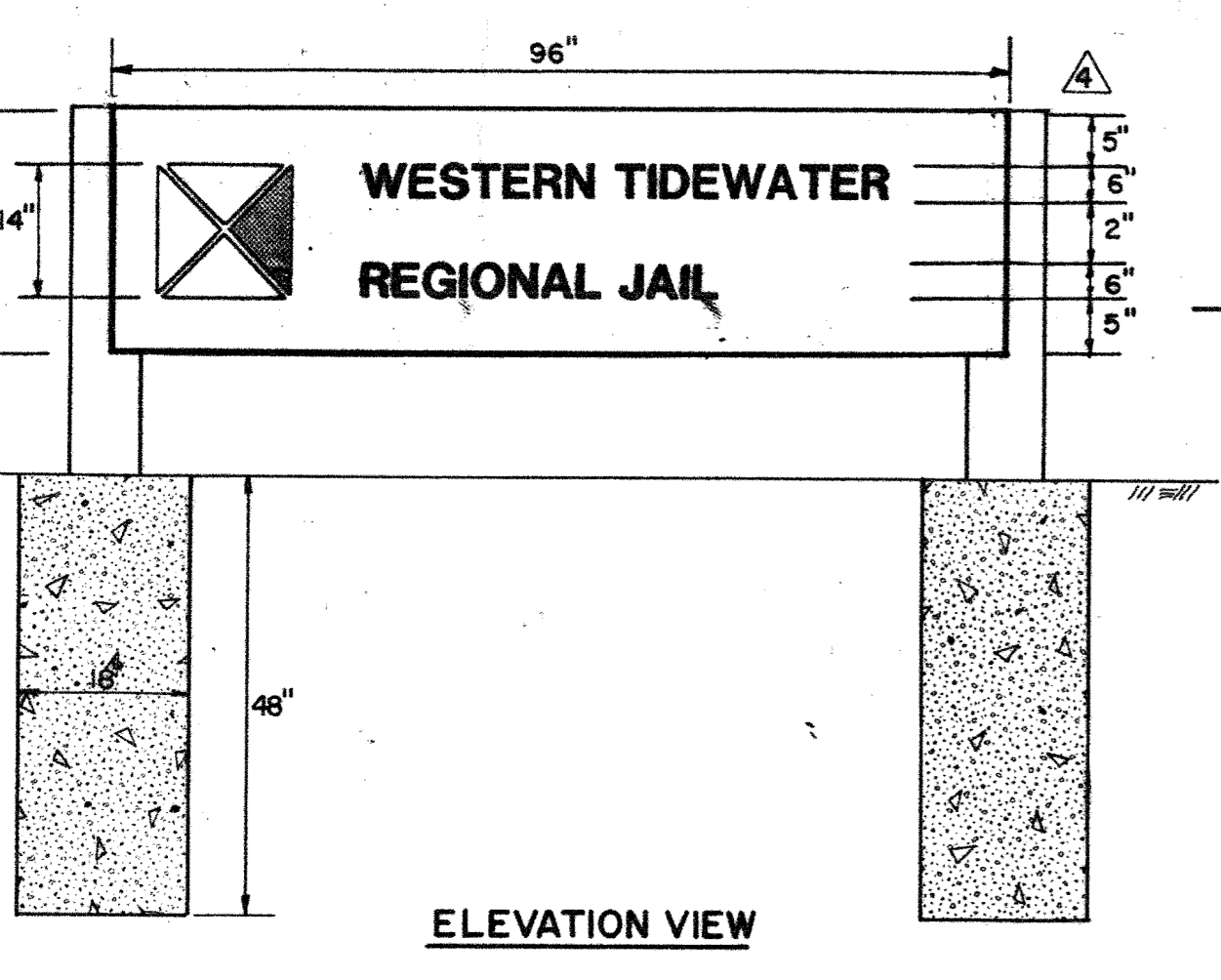
PA/LS-2



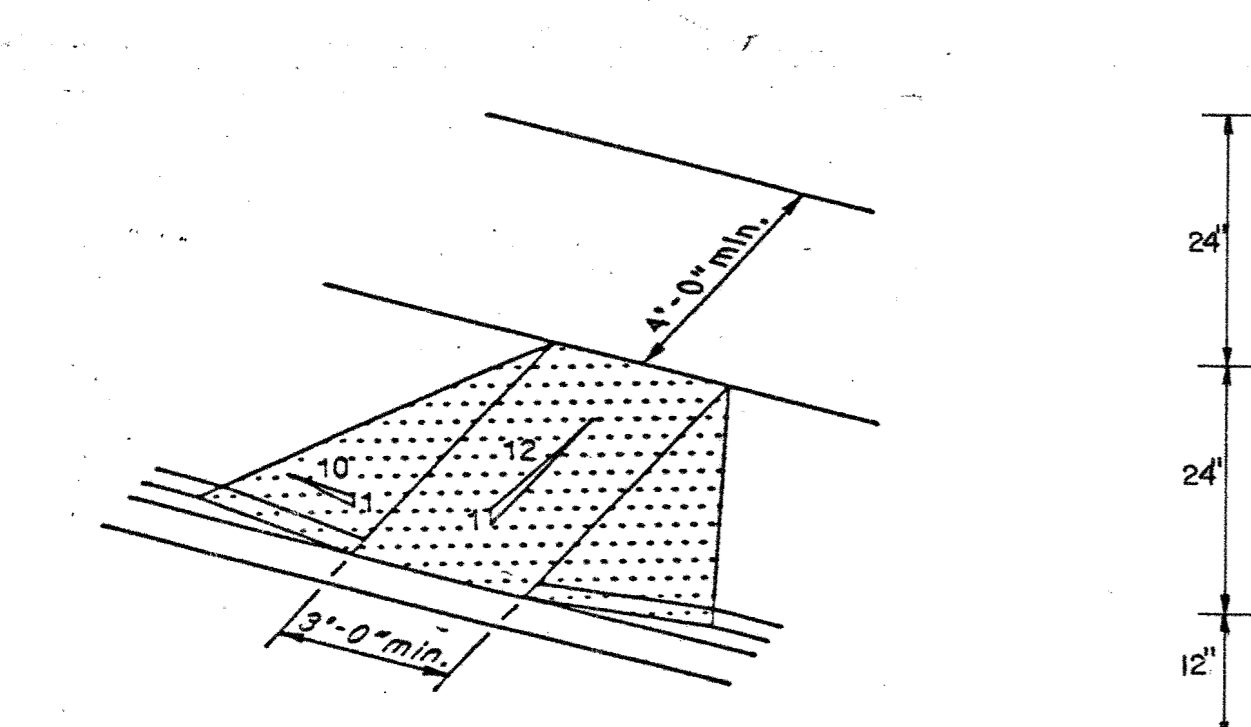
**CG-2 STANDARD 6" CURB**  
N.T.S.



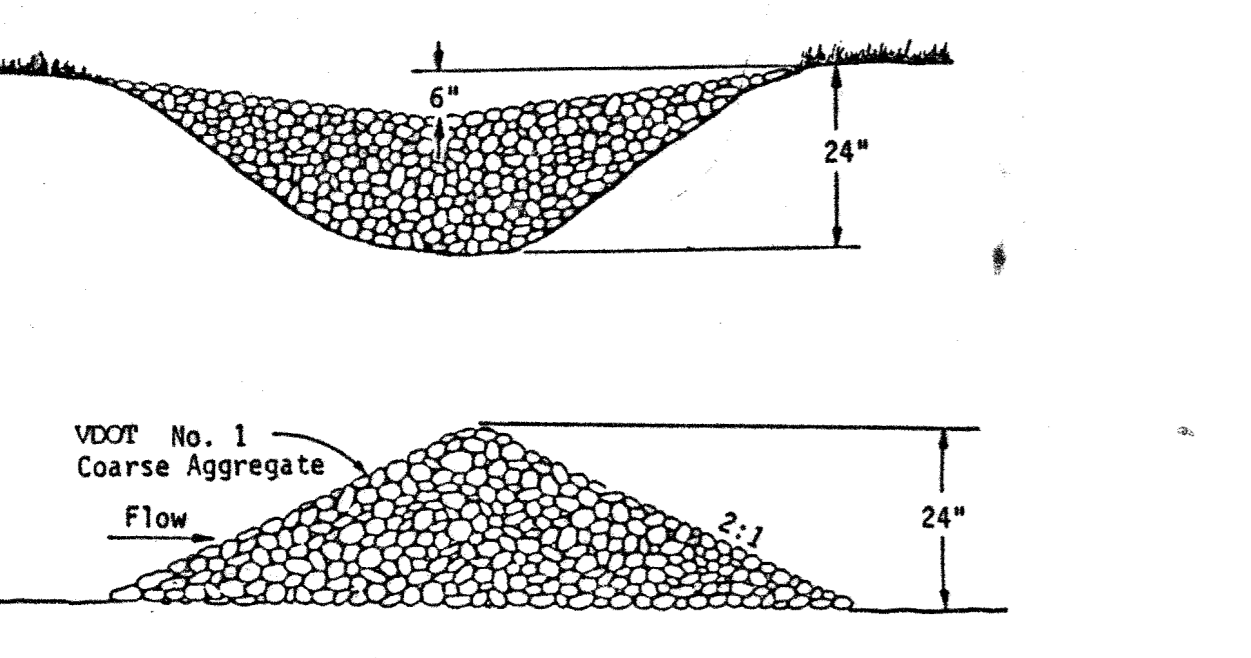
**CG-6 COMBINATION 6" CURB & GUTTER**  
N.T.S.



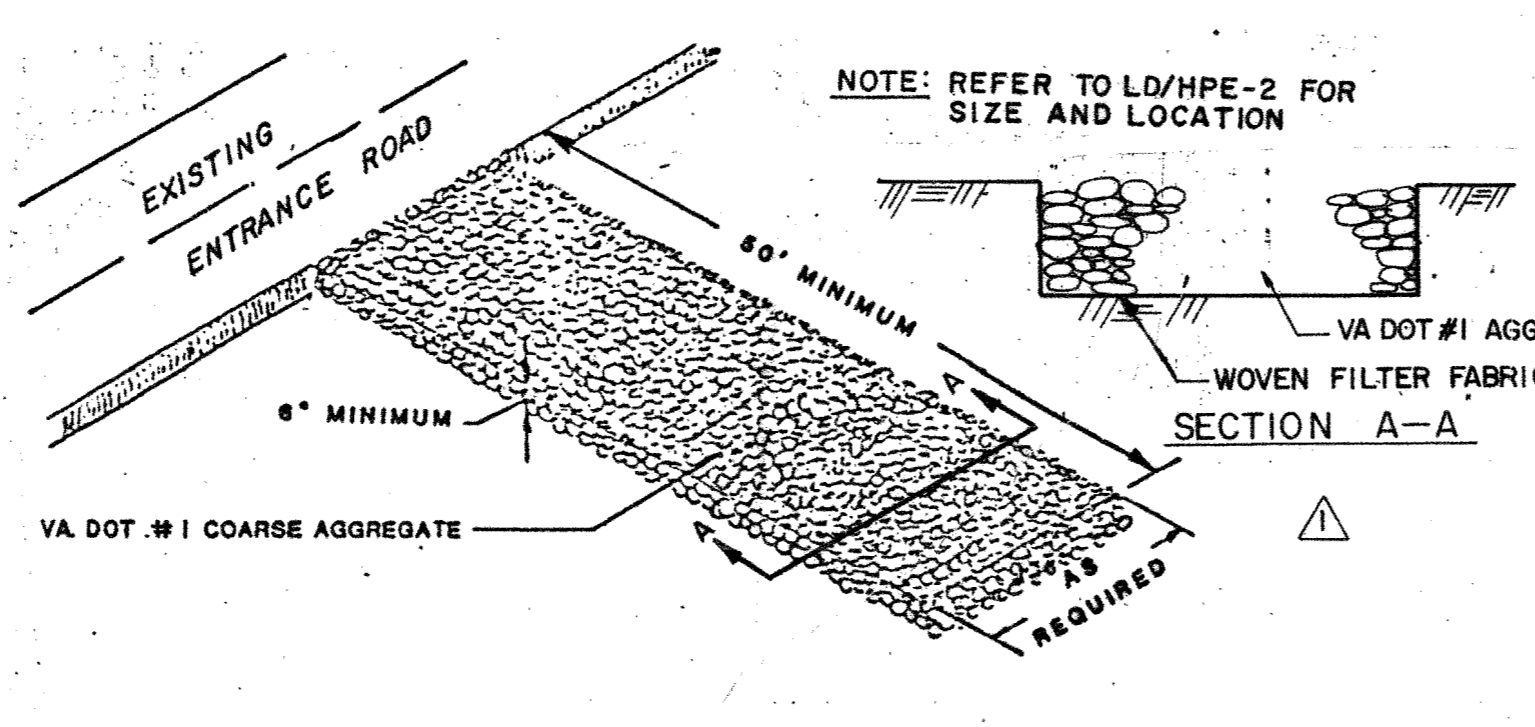
**MAIN ENTRY SIGN DETAIL**  
N.T.S.



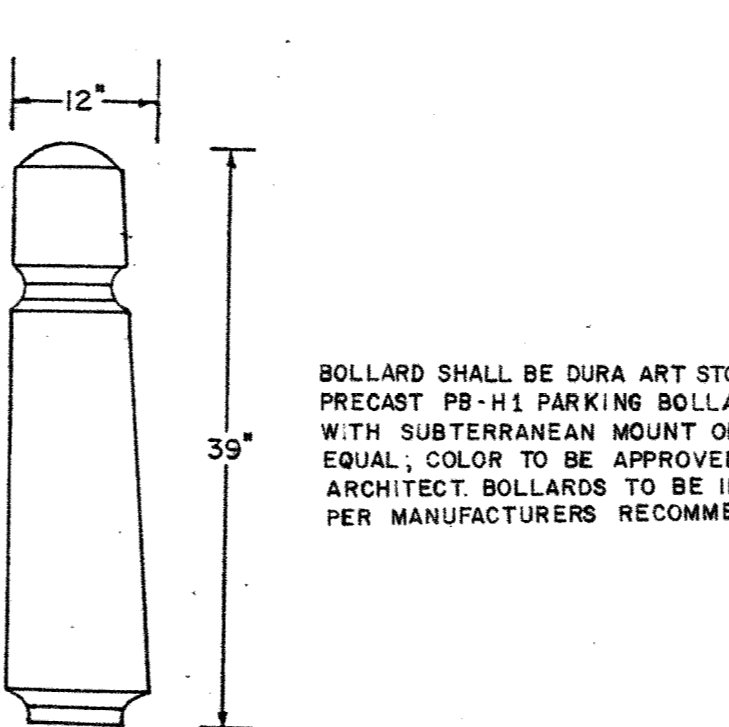
**HC RAMP CURB CUT**  
N.T.S.



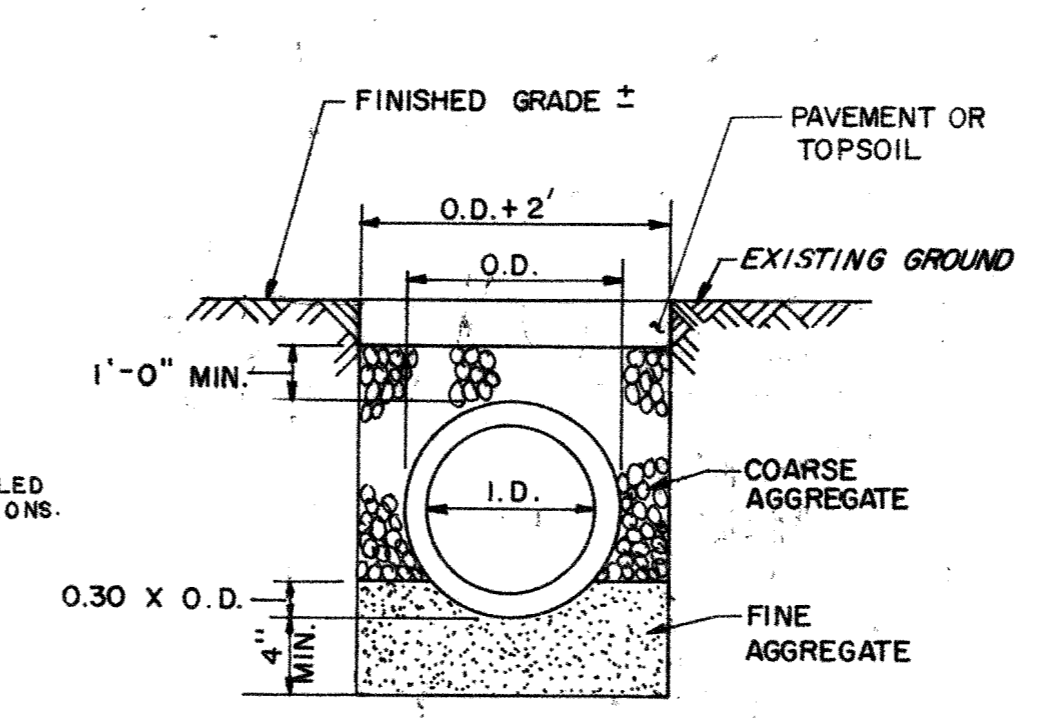
**DITCH CHECK**  
N.T.S.



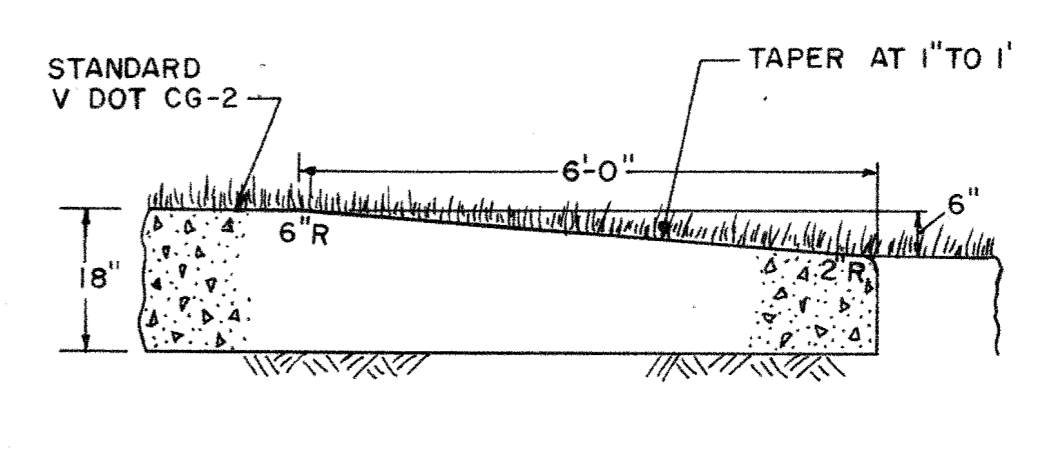
**GRAVEL CONSTRUCTION ENTRANCE**  
N.T.S.



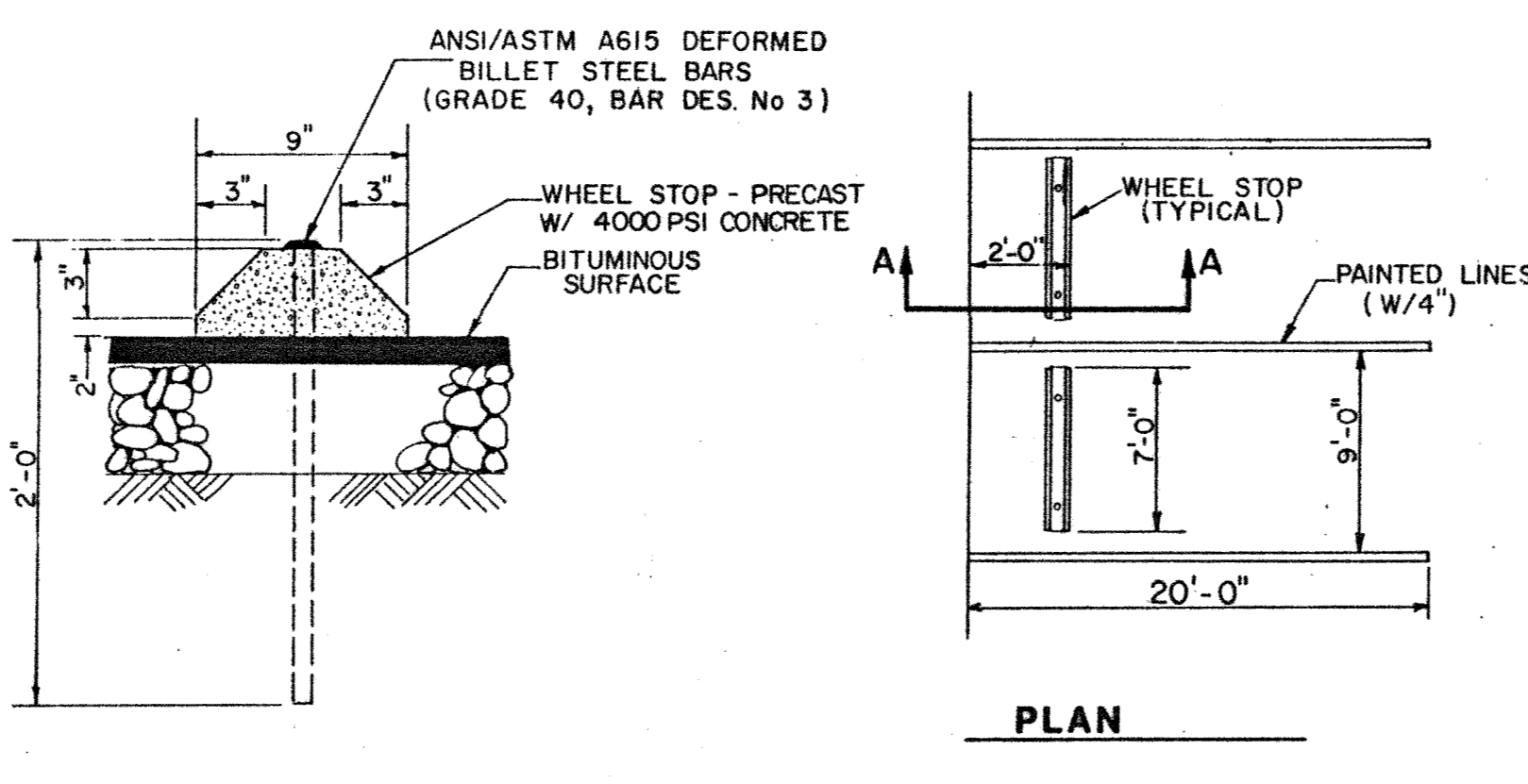
**BOLLARD DETAIL**  
N.T.S.



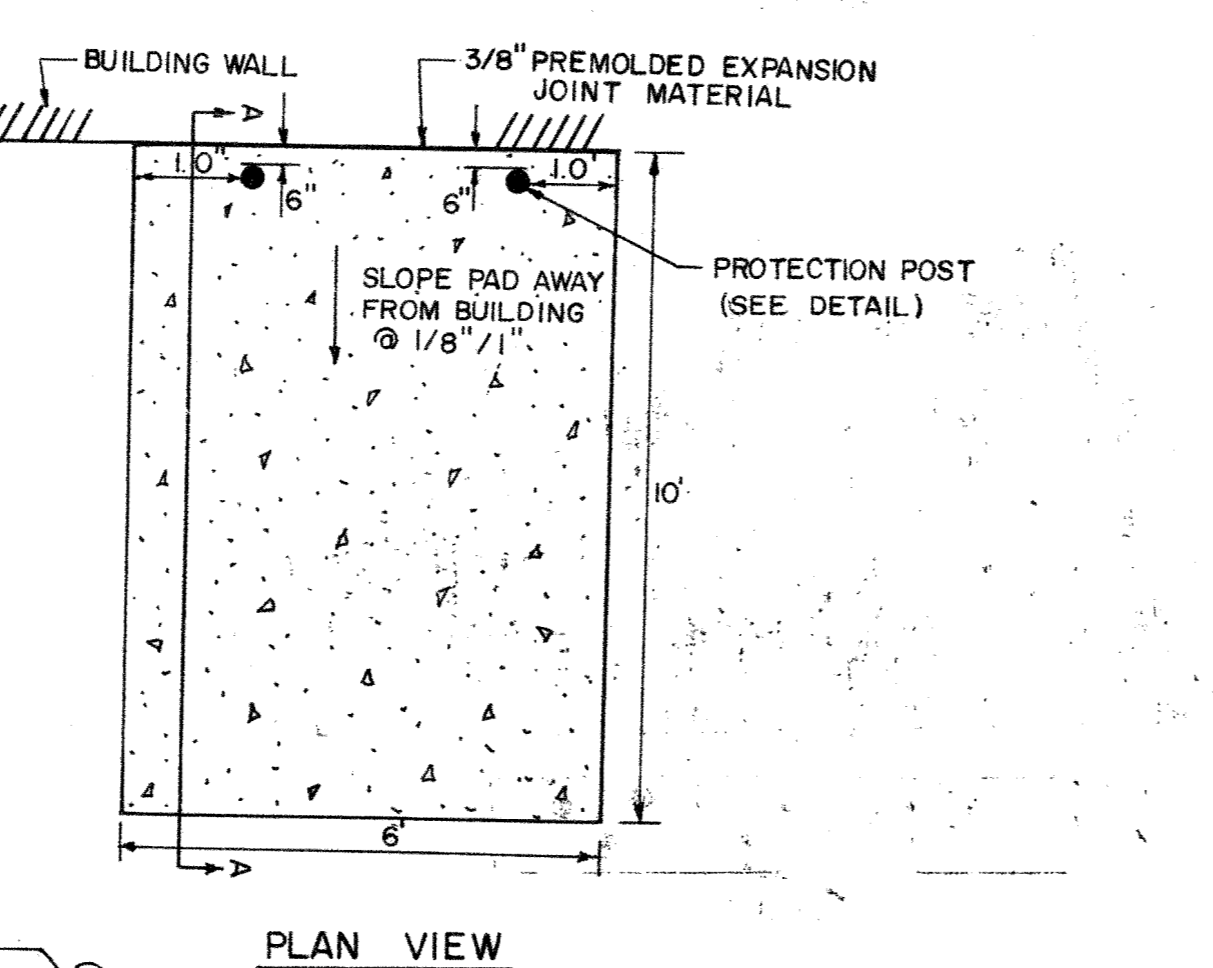
**STORM SEWER TRENCH DETAIL**  
N.T.S.



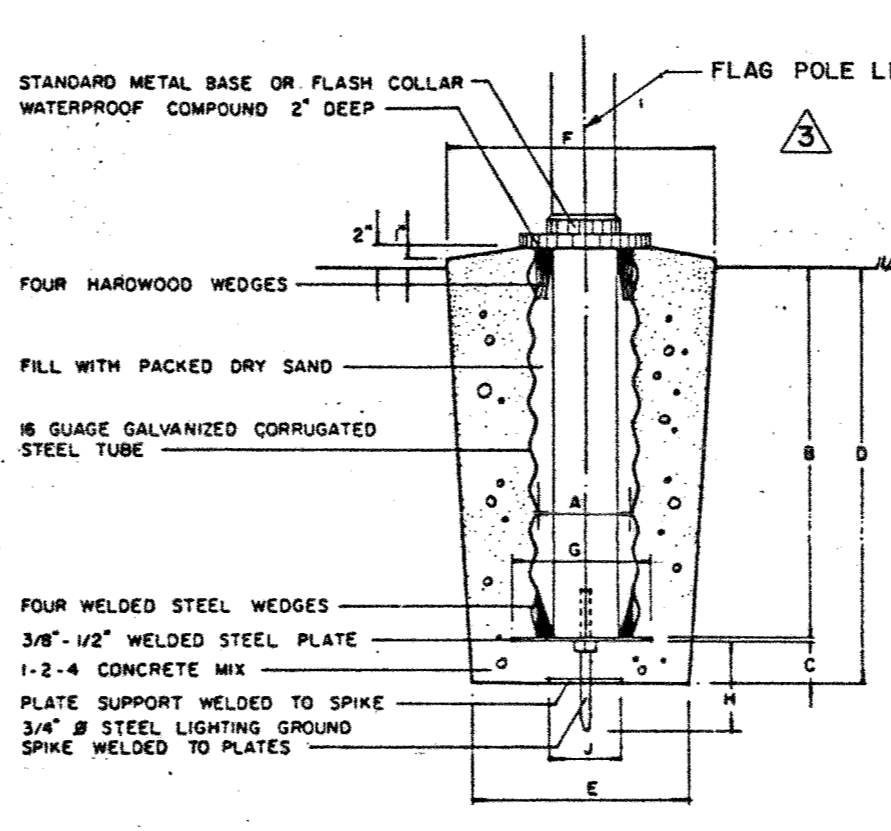
**CURB NOSEDOWN DETAIL**  
SCALE: 1"=2'



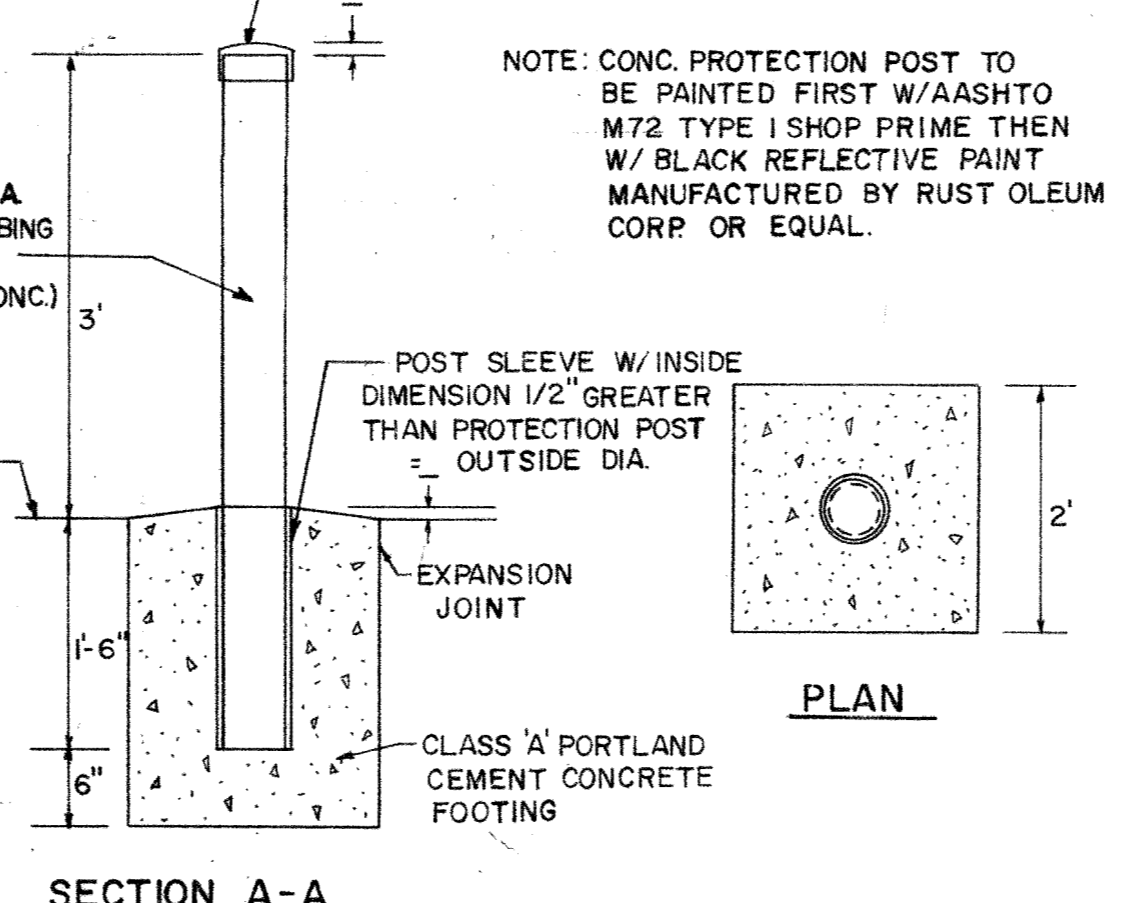
**WHEEL STOP DETAILS**  
N.T.S.



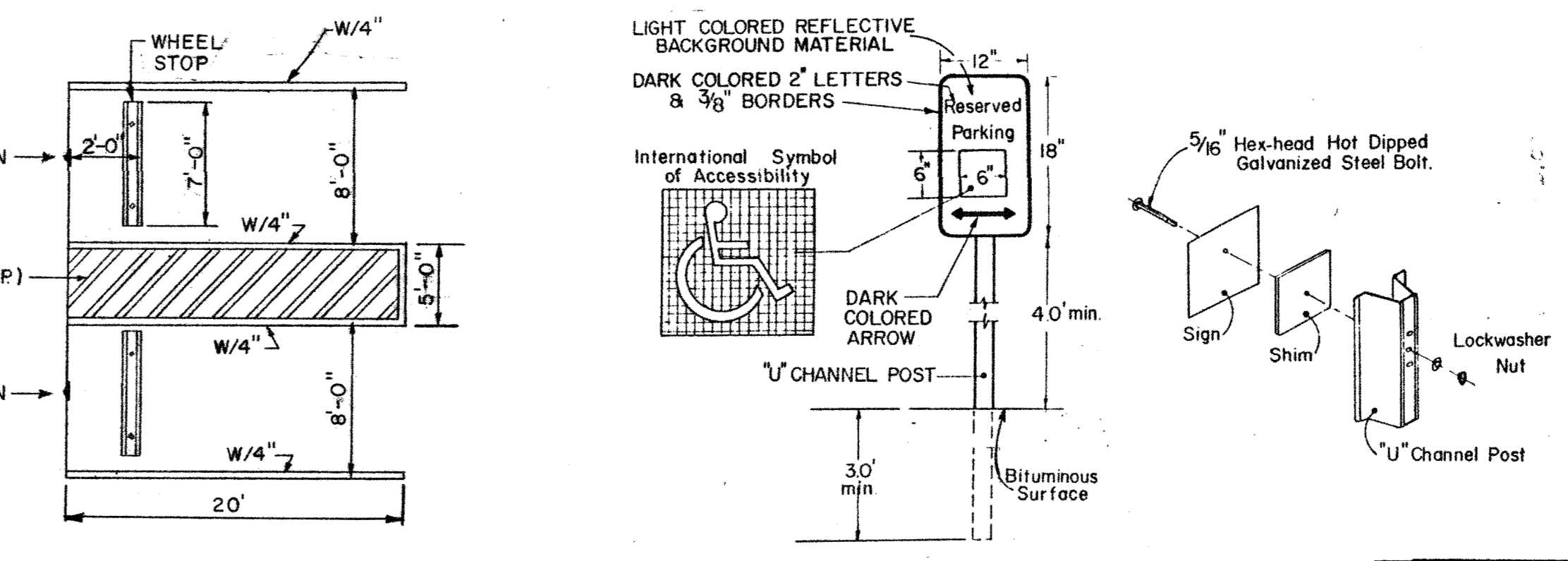
**DUMPSTER PAD DETAIL**  
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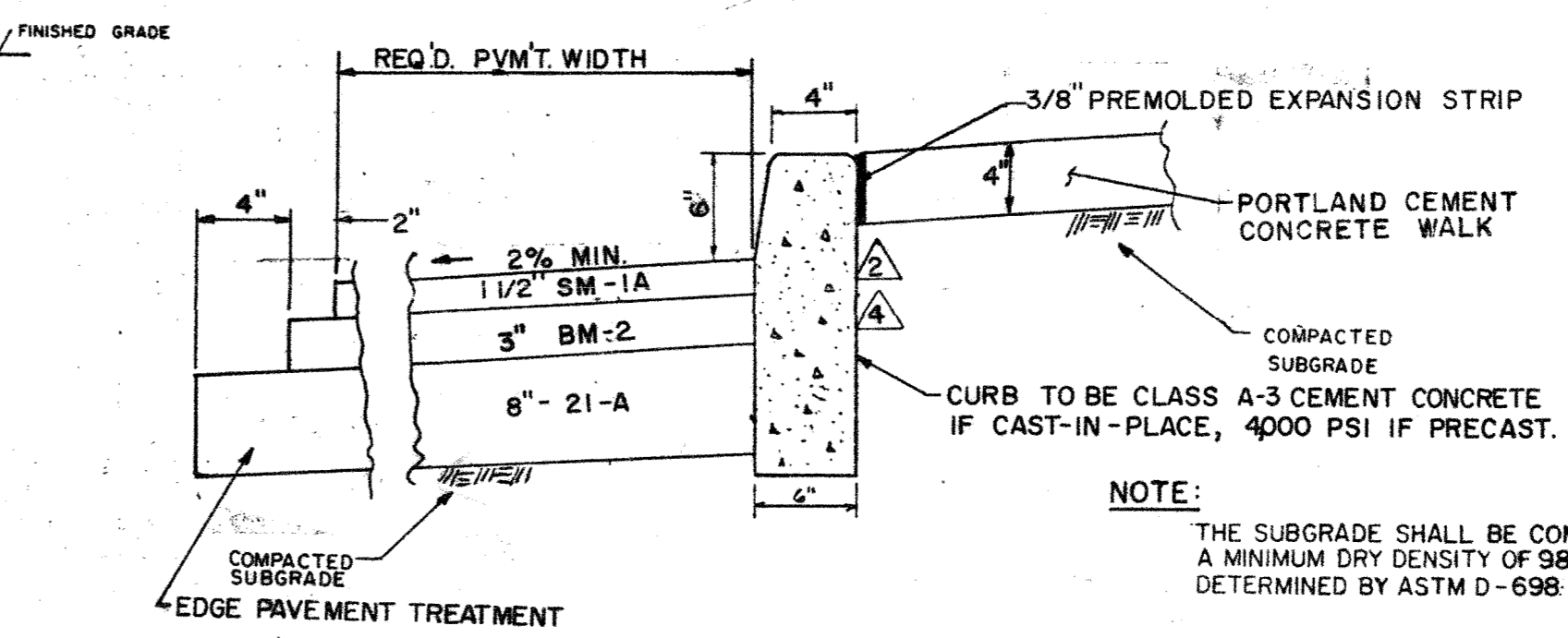
**FLAG POLE DETAIL**  
N.T.S.



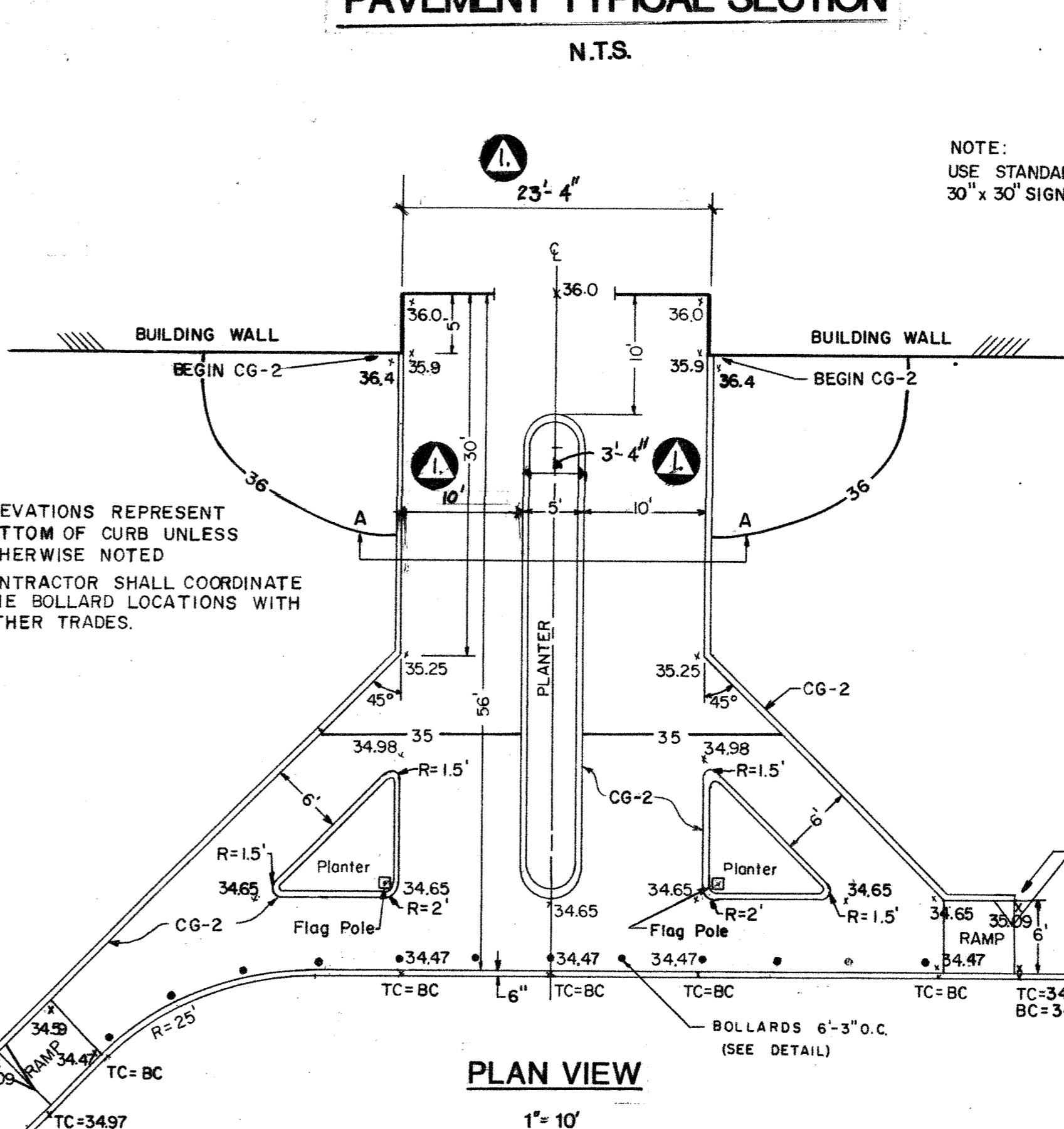
**PROTECTION POST DETAIL**  
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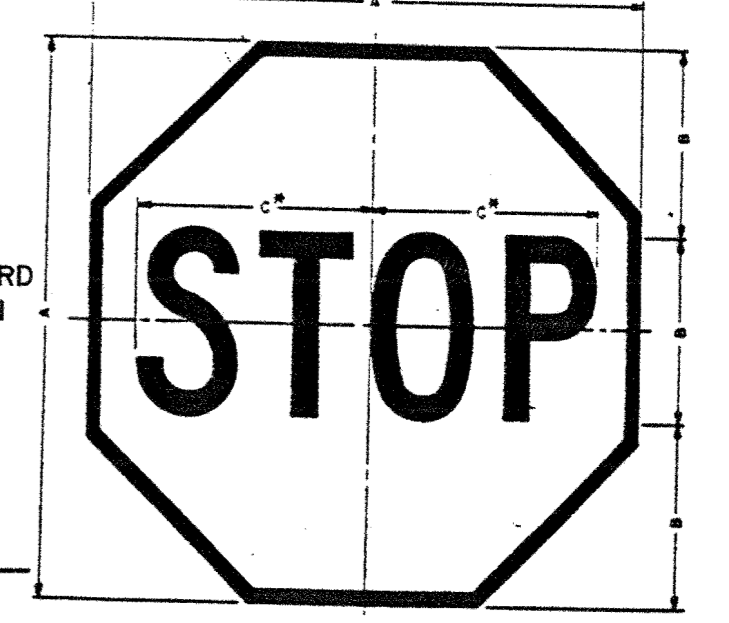
**HC PARKING SPACE LAYOUT/HC SIGN DETAIL**  
N.T.S.



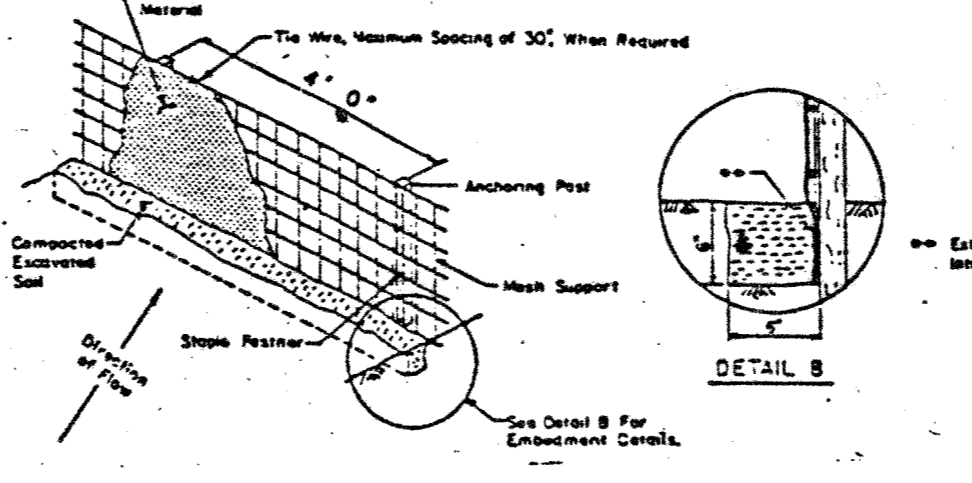
**PAVEMENT TYPICAL SECTION**  
N.T.S.



**ENTRANCE PLAN**  
SCALE AS NOTED

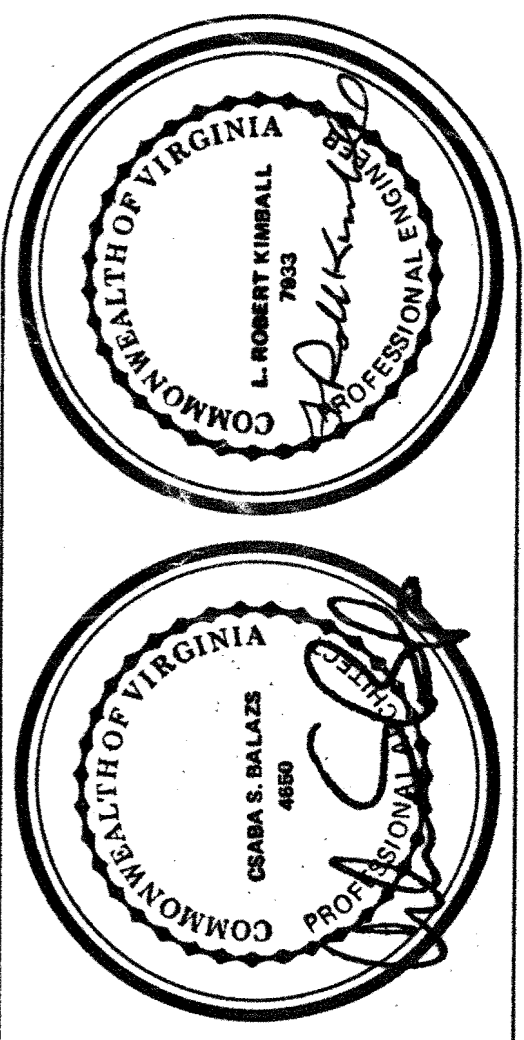


**STOP SIGN DETAIL**  
N.T.S.



**SILT BARRIER FENCE**  
N.T.S.

REVISION NO.	DATE	DESCRIPTION



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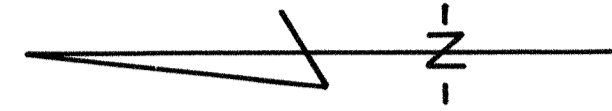
**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

**MISCELLANEOUS DETAILS**  
DATE: 9-24-90  
SCALE: AS NOTED

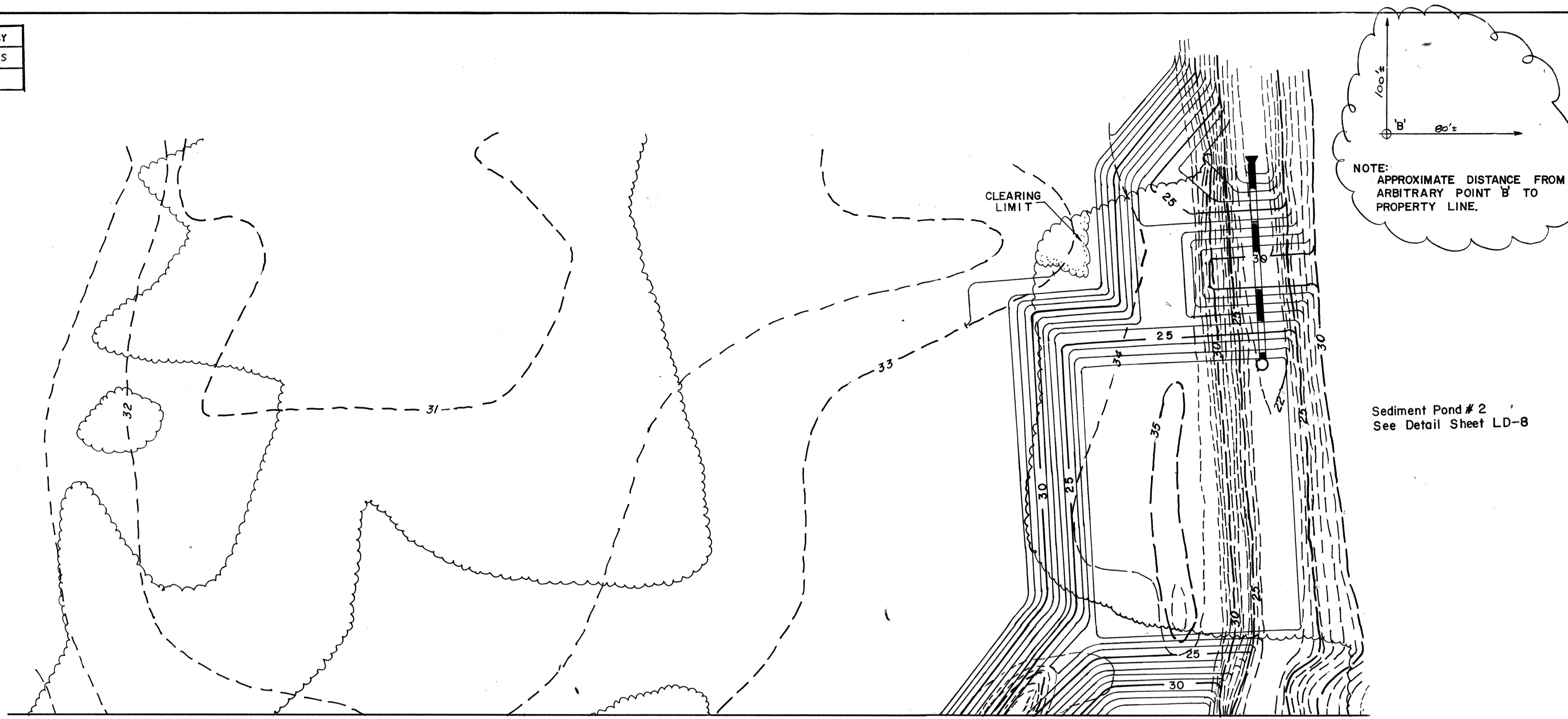
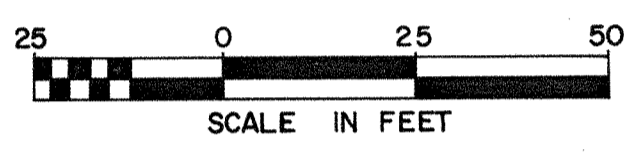
PA/LS-3

REVISIONS	DATE	BY
1. CONSTRUCTION ENTRANCE SECTION, SIGN	10-25-90	AJS
2. PAVEMENT TYPICAL SECTION	10-17-90	AJS
3. FLAG POLE LENGTH	10-22-90	AJS
4. PAVEMENT TYPICAL SECTION, ENTRANCE SIGN (ADD) REMOVE SUBSURFACE DRAIN OUTLET	2-19-92	AJS

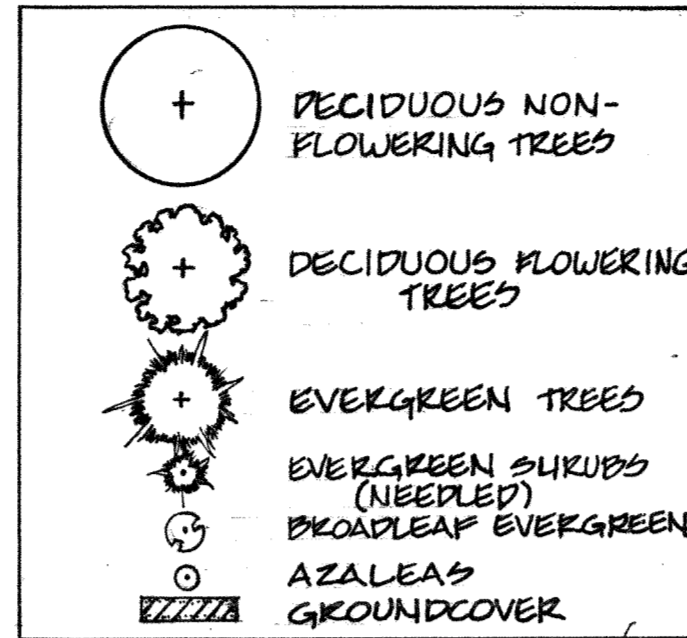
REVISION NUMBER	REVISIONS	DATE	BY
1	Prop	10-30-90	AJS



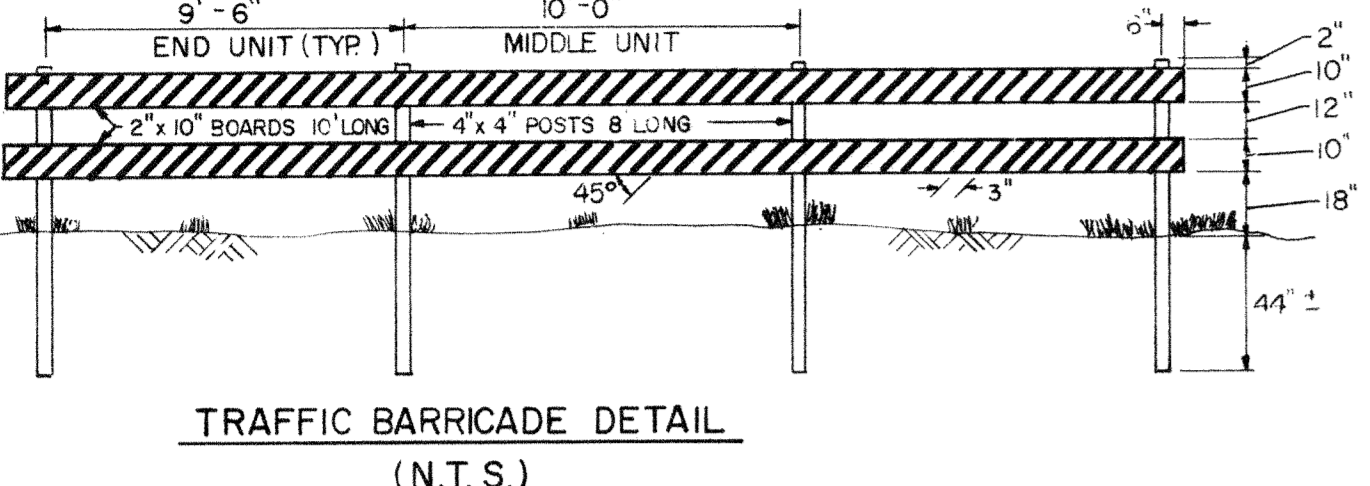
AS BUILT REVISIONS 6-26-92		
REVISION NO.	DATE	DESCRIPTION



**LEGEND**

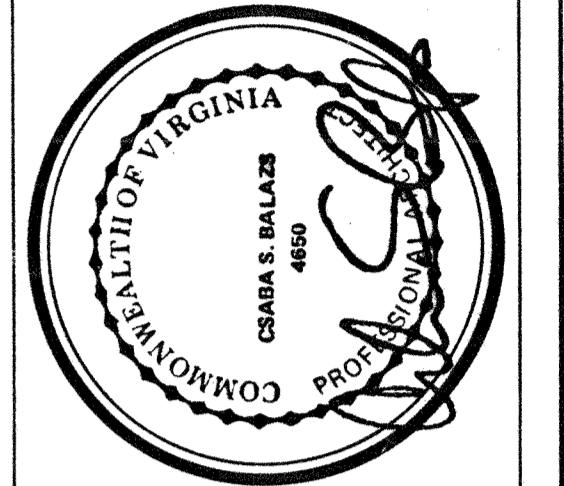
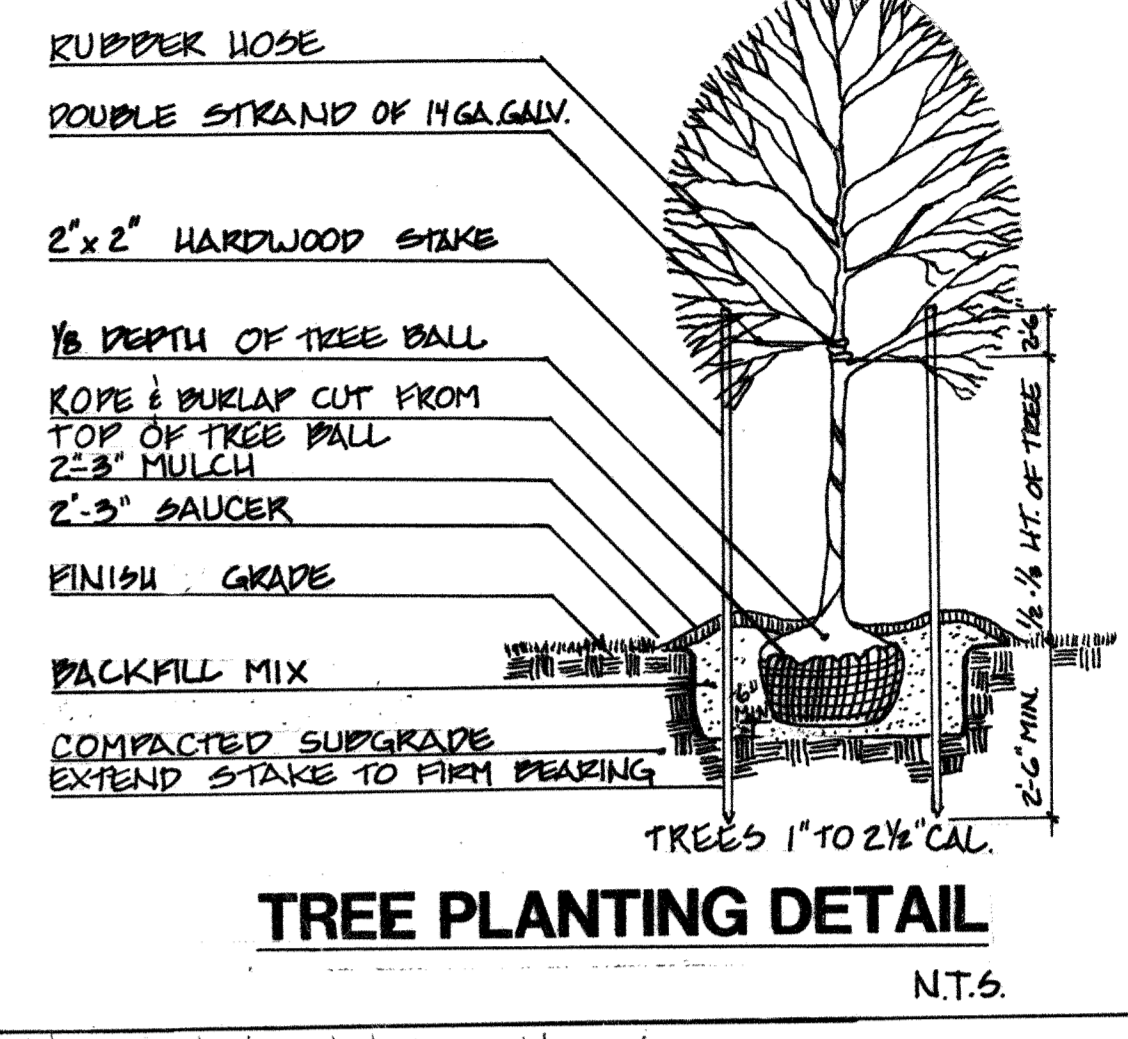
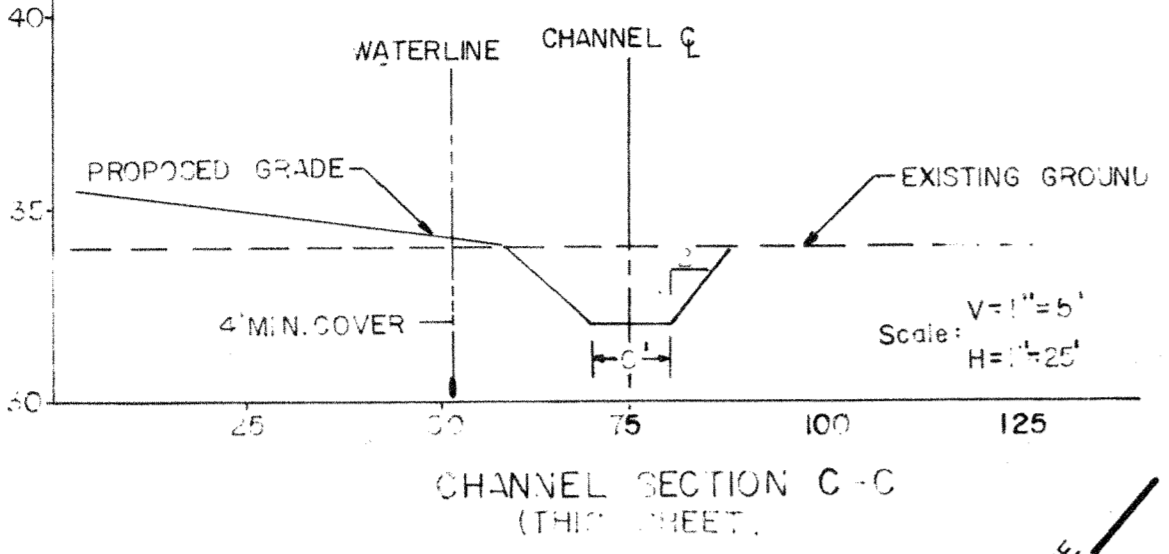


REVISION NUMBER	REVISIONS	DATE	BY
1	ELIMINATED FROM ISLAND 1 PCB & 1 TCG	12/20/93	DWL
2	CHANGED LS TO FP	2/18/92	DP
3	ADDED PICEA ABIES	2/18/92	DP



**NOTES**

- ALL PLANT MATERIAL AND INSTALLATION OF PLANT MATERIAL SHALL BE IN STRICT CONFORMANCE WITH USDA STANDARDS FOR NURSERY STOCK AND THE ANST 260.1.
- ALL EXPOSED EARTH SHALL BE MULCHED WITHIN LIMITS OF PLANTING BEDS UNLESS NOTED OTHERWISE.
- MULCH SHALL BE 1-1/2-3" SHREDDED PINE.
- CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES WITHIN WORK AREA AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION.
- PLANT MATERIAL CHOSEN FROM GREENBRIER FARMS NURSERY LOCATED IN WEST CHESTER, VIRGINIA. (804) 421-2141.
- AREAS SHOW AS TURF TO BE GRASSED AS SPECIFIED.

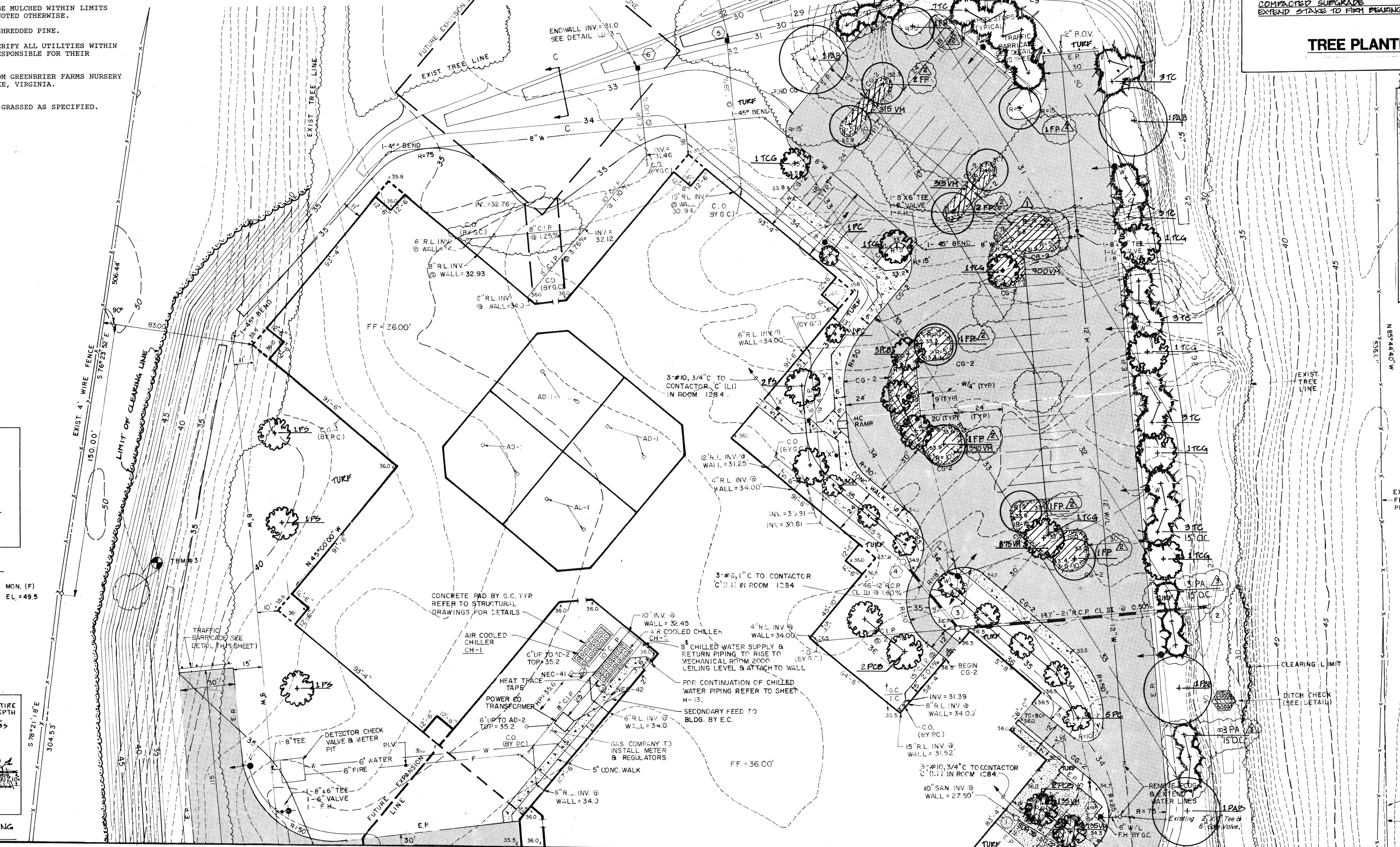
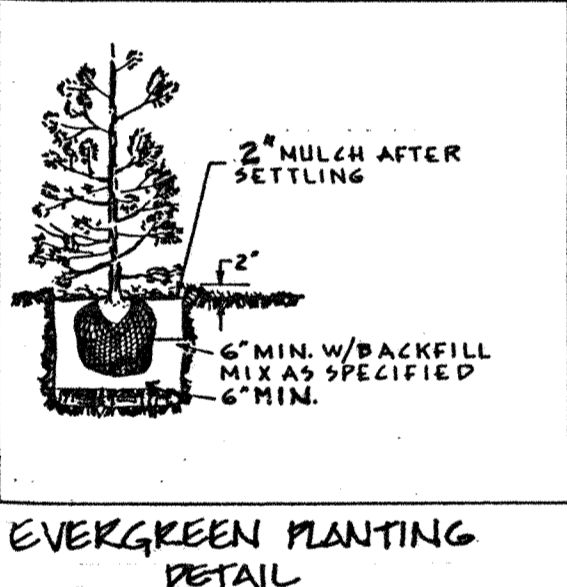


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**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

**LANDSCAPE PLAN**  
PROJ. NO. 89-0153 - 395-60  
DATE: 02-24-90  
SCALE: 1" = 2'-5"

PA/LS-5

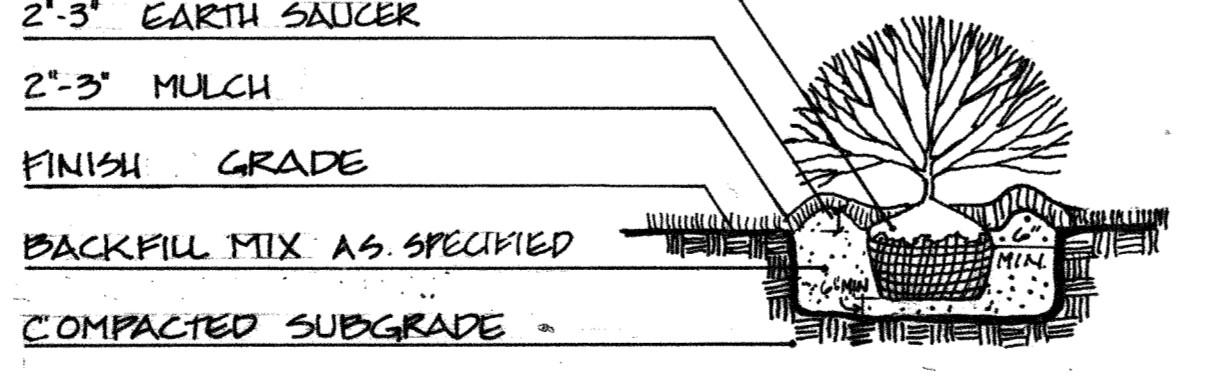


**PLANTING SCHEDULE**

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
AZ	12	Azalea	Delaware Valley White	15-18"	BAB	White flowers
CP	2	Campanula medium	Princess Stockholm	10-12"	BAB	Double, dark green foliage, narrow
COB	2	Chamaecyparis 'Obconica'	Downy Hoop Pine	18-24"	BAB	A neat evergreen with upright habit
CK	2	Cornus kousa	Kousa Dogwood	6-8"	BAB	Large red fruit, pink flowers
CR	2	Chamaecyparis 'obconica'	Cockspur Thorn	6-8"	BAB	Large coral thorns, white flowers
CL	2	Chamaecyparis 'obconica'	Landscaping	7"	BAB	A columnar evergreen tree used for backdrop
CL	2	Chamaecyparis 'obconica'	Landscaping	10"	BAB	A columnar evergreen tree used for backdrop
FP	12	Ficus 'serrata'	Guava Ash	2-3"	BAB	Shade tree with rich yellow fall color
IC	18	Juniperus 'horizontalis'	Blue Juniper	2-3"	BAB	Fast growing, evergreen
ICJ	2	Juniperus 'horizontalis'	Blue Juniper	7"	BAB	A narrow columnar evergreen with blue-green foliage
IBH	2	Juniperus 'horizontalis'	Blue Juniper	15-18"	Cont.	A low spreading evergreen shrub used for backdrop
IP	80	Phlox subulata 'Moss Pink'	Moss Pink Phlox	1 gal.	Cont.	Plant a hardy pink flowering evergreen 12" O.C. around
PA	6	Pinus strobus	Norway Spruce	5-6"	BAB	A neat growing pyramidal evergreen tree
PAB	6	Pinus strobus 'Bonsai'	London Plane Tree	3-3 1/2"	BAB	Tall, attractive shade tree
PC	11	Prunella 'Choclate Chip'	Prunella	6-8"	BAB	Dark purple flowers, pink flowers
PCB	11	Prunella 'Choclate Chip'	Prunella	6-8"	BAB	Double pink blossoms
PCB	11	Prunella 'Choclate Chip'	Prunella	2-3"	BAB	White flowers, compact fall color
QP	7	Quercus alba	White Oak	2-3"	BAB	Fast growing shade tree
QR	1	Quercus 'robusta'	Prunella	2-3"	BAB	Columnar form, evergreen tree
RFL	14	Rhododendron 'L.M. King'	R.M. Rhododendron	18-24"	Cont. @ BAB	Large shrub
TCG	14	Taxus canadensis	Canadian Larch	2-3"	BAB	Shade tree, evergreen
TC	34	Taxus canadensis	Canadian Larch	4-5"	BAB	Fast growing evergreen tree
VM	6000	Vicia sativa	Parrotilla	2-3 1/4"	Pat.	Evergreen groundcover plant 1' O.C.

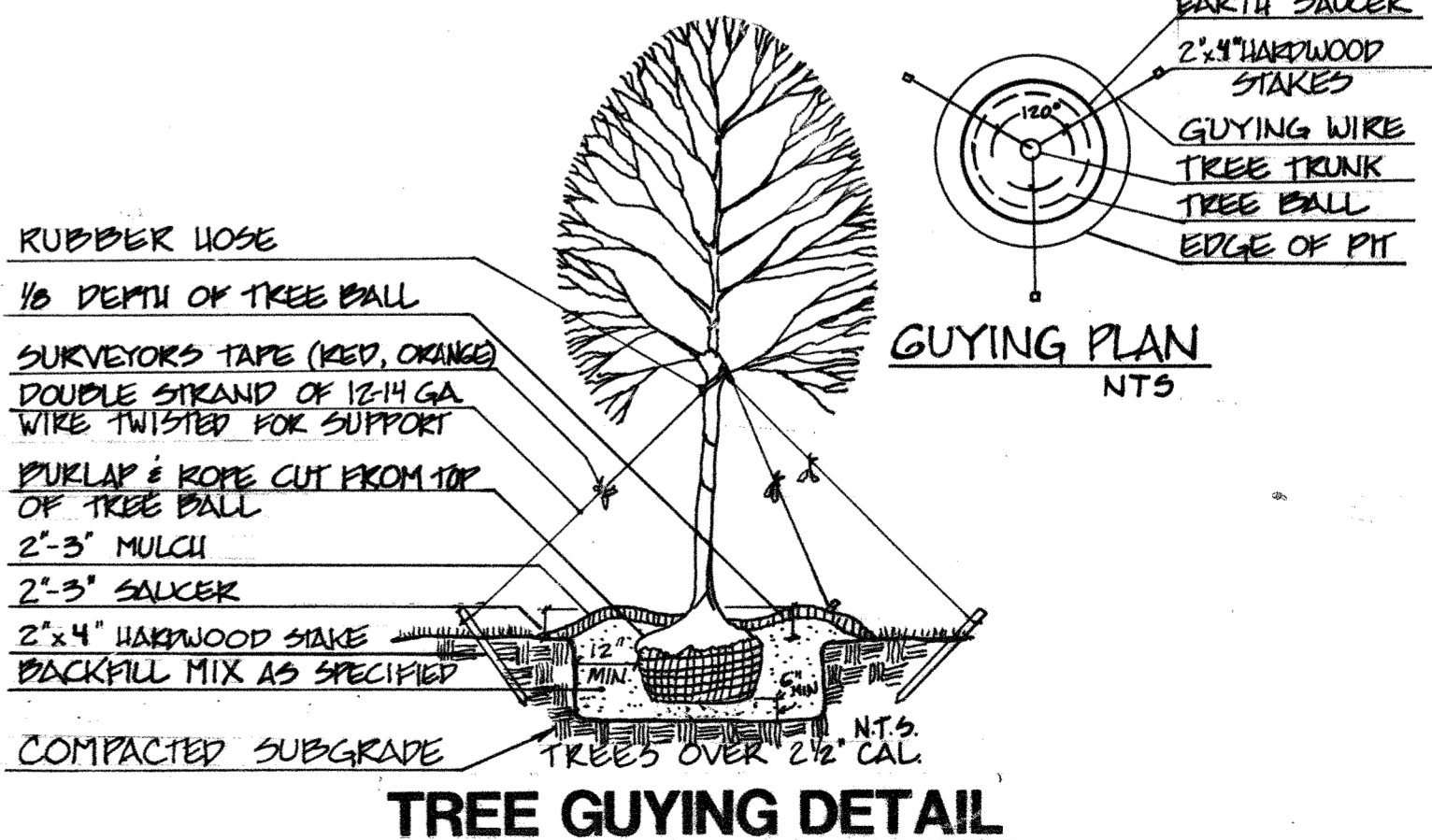
**TREE SUPPORT SCHEDULE**

SIZE	SUPPORT
6-8" 1"-1 1/2" CAL.	5" STAKE; 2 REED, 14 GA WIRE w/ 1/8" HOSE
8-10" 1 1/2"-2" CAL.	5-6" STAKE; 2 REED, 14 GA WIRE w/ 1/8" HOSE
10-12" 2"-2 1/2" CAL.	7-8" STAKE; 2 REED, 14 GA WIRE w/ 1/8" HOSE
12-14" 2 1/2"-3" CAL.	2 GUY; 3 REED, 12 GA WIRE w/ 1/8" HOSE
14-16" 3"-4" CAL.	2 GUY; 3 REED, 12 GA WIRE w/ 1/8" HOSE
16-20" 4"-6" CAL.	2 1/2" GUY; 3 REED, 12 GA WIRE w/ 1/8" HOSE



**SHRUB PLANTING DETAIL**

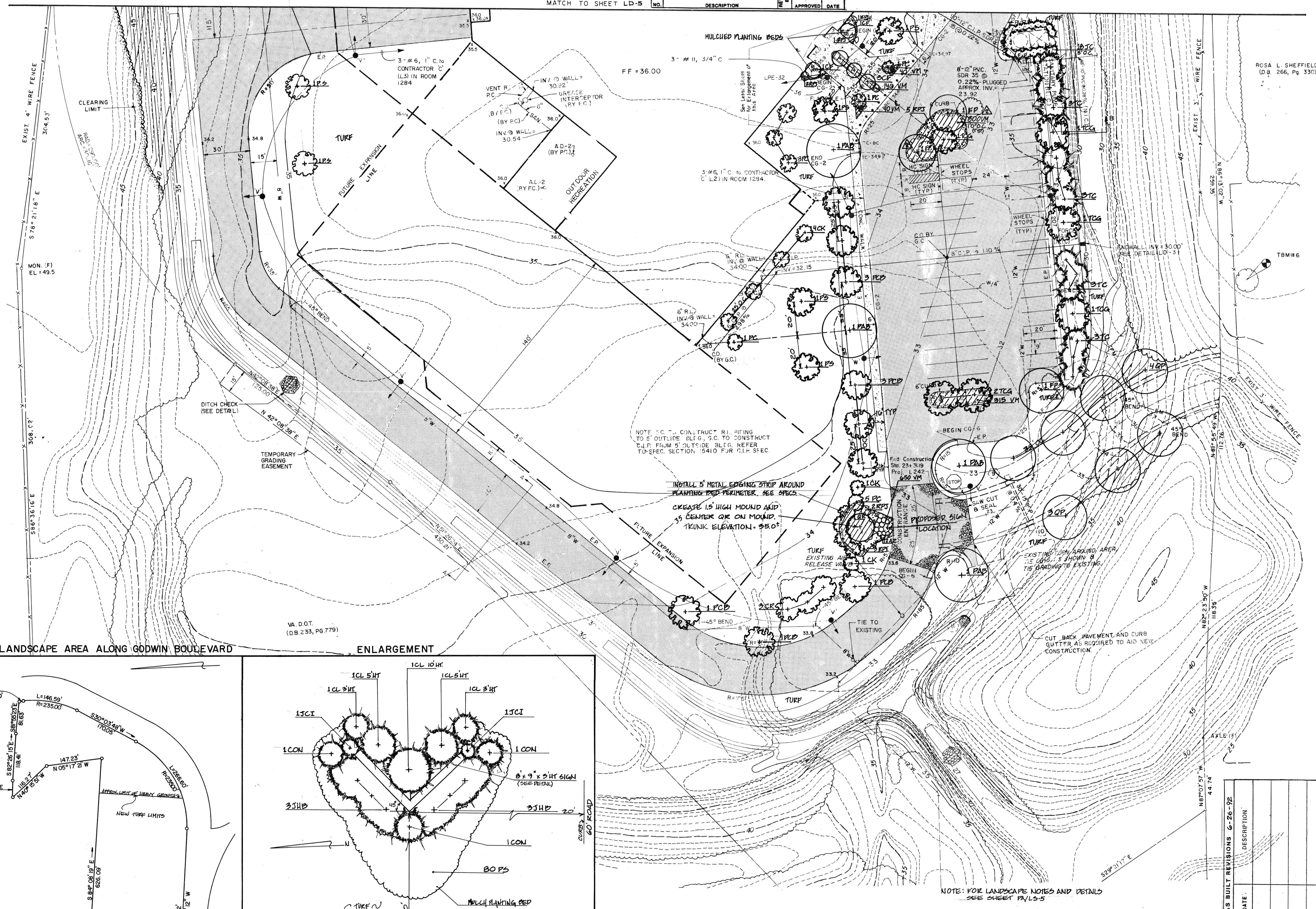
NOTE: THIS SHEET FOR LANDSCAPE PURPOSES ONLY!!!



**TREE GUYING DETAIL**

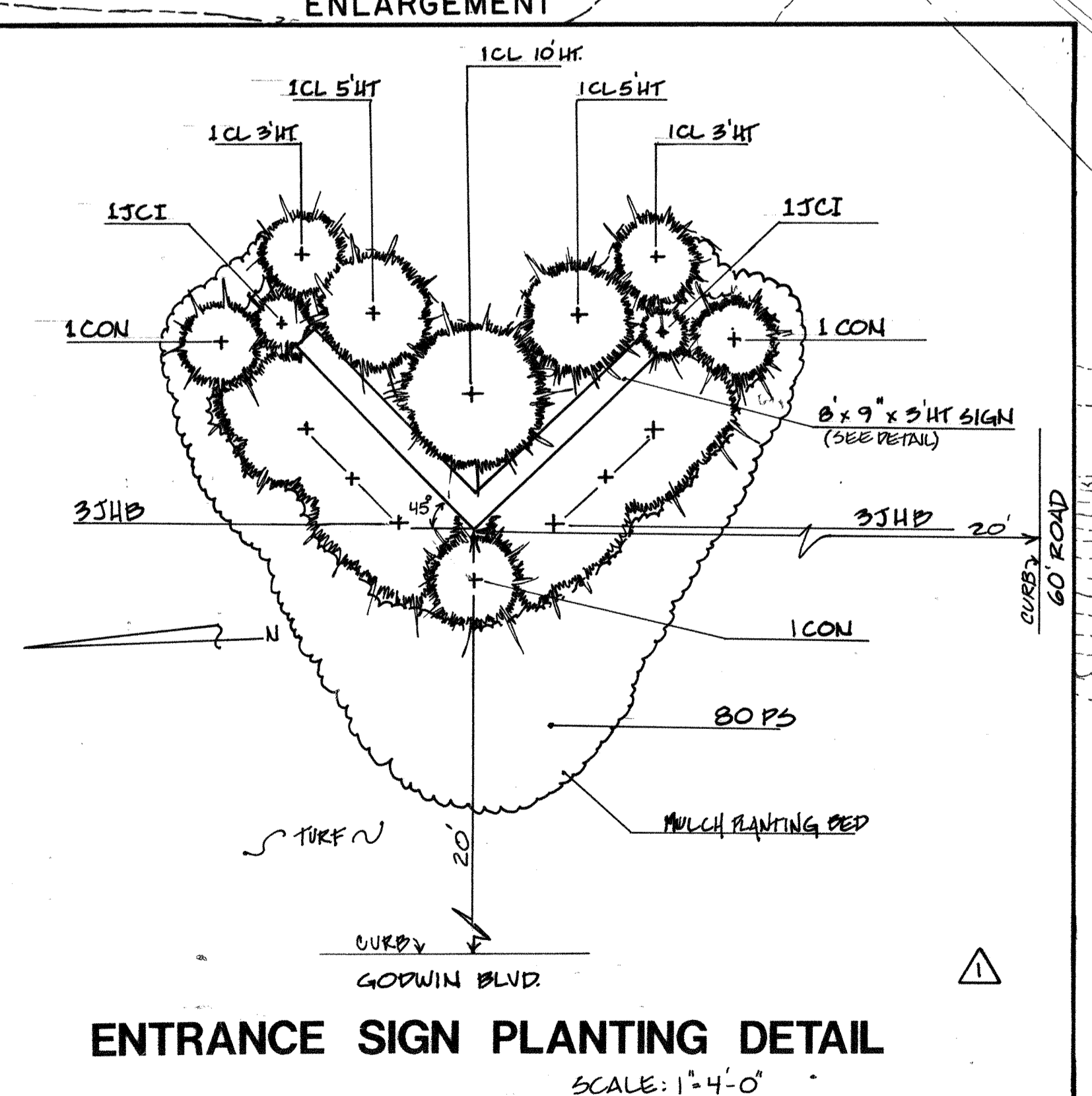
L.R.K. REVISIONS			
NO.	DESCRIPTION	REVIEW BY	APPROVED DATE
1	ADD ENTRANCE SIGN DETAIL		2-14-92
2	CHANGE L.S. TO P.P.		2-14-92

MATCH TO SHEET LD-5



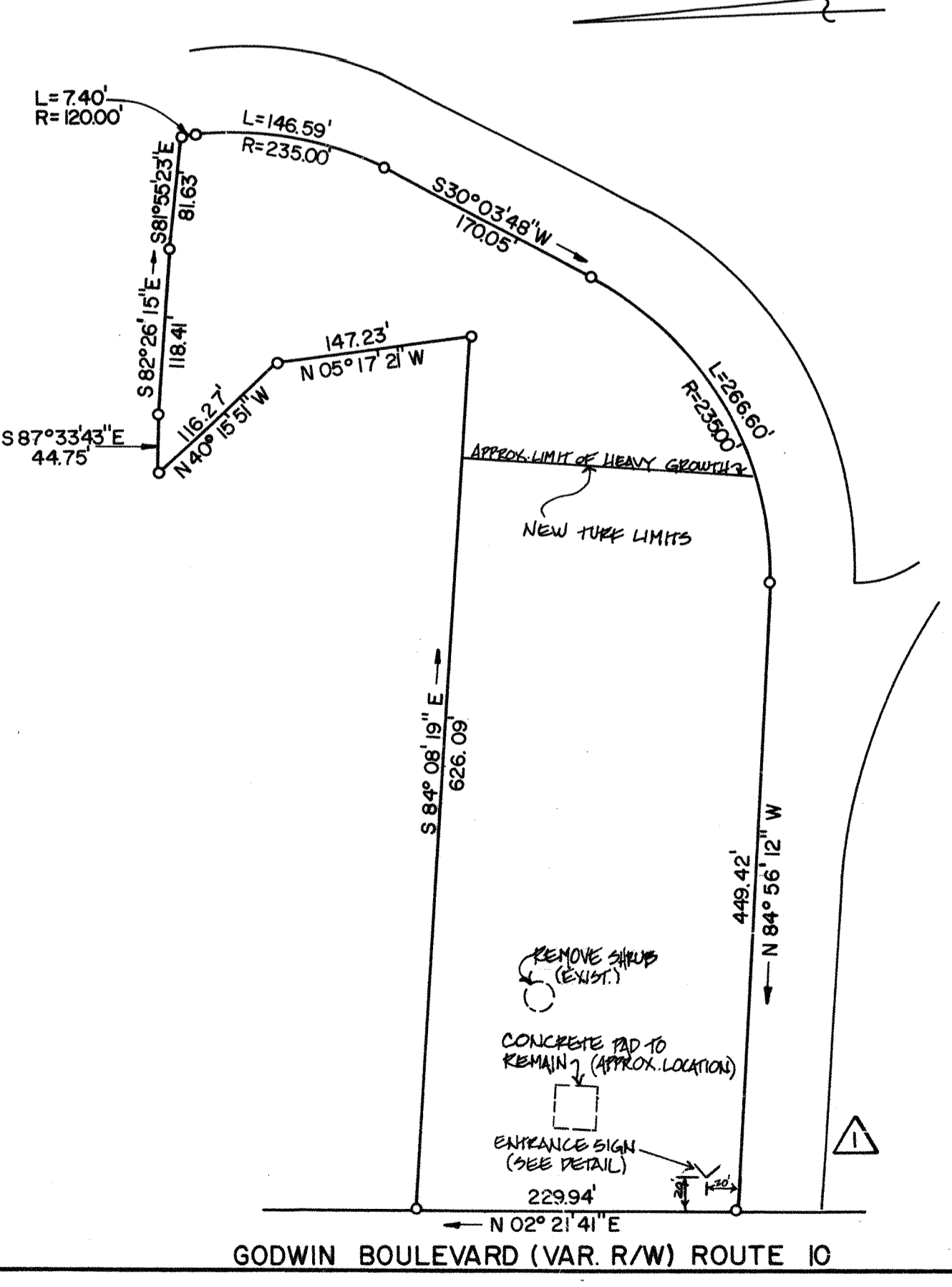
ADDITIONAL LANDSCAPE AREA ALONG GODWIN BOULEVARD

ENLARGEMENT



ENTRANCE SIGN PLANTING DETAIL  
SCALE: 1"=4'-0"

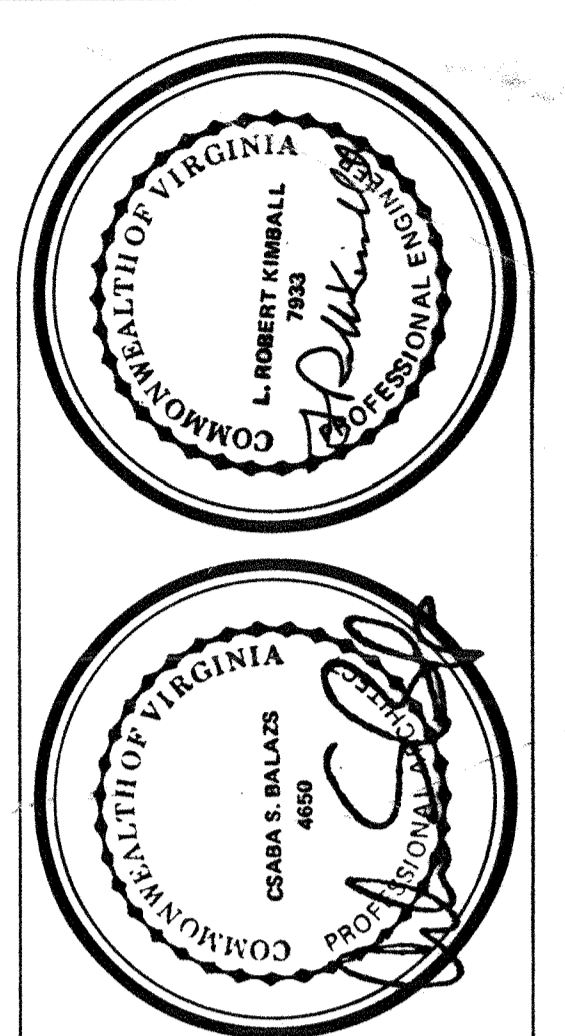
NOTE: THIS SHEET FOR LANDSCAPE PURPOSES ONLY!!!



GODWIN BOULEVARD (VAR. R/W) ROUTE 10

REVISION NO.	DATE	DESCRIPTION

SCALE IN FEET



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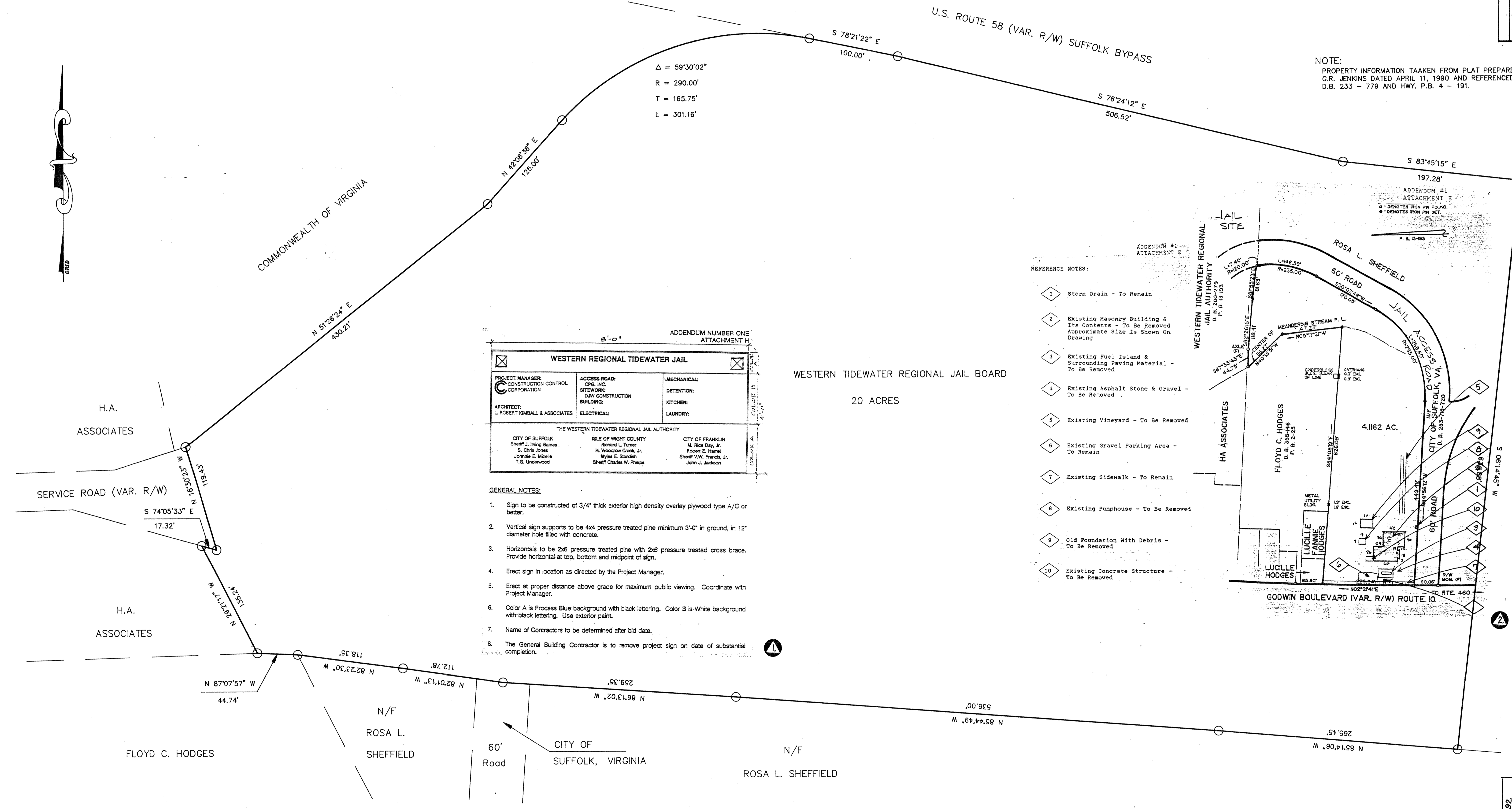
**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

LANDSCAPE PLAN  
PROJ. NO. 89-0153-395-60  
DATE 9-24-90  
SCALE 1"=25'

PA/LS-6



COMMONWEALTH OF VIRGINIA



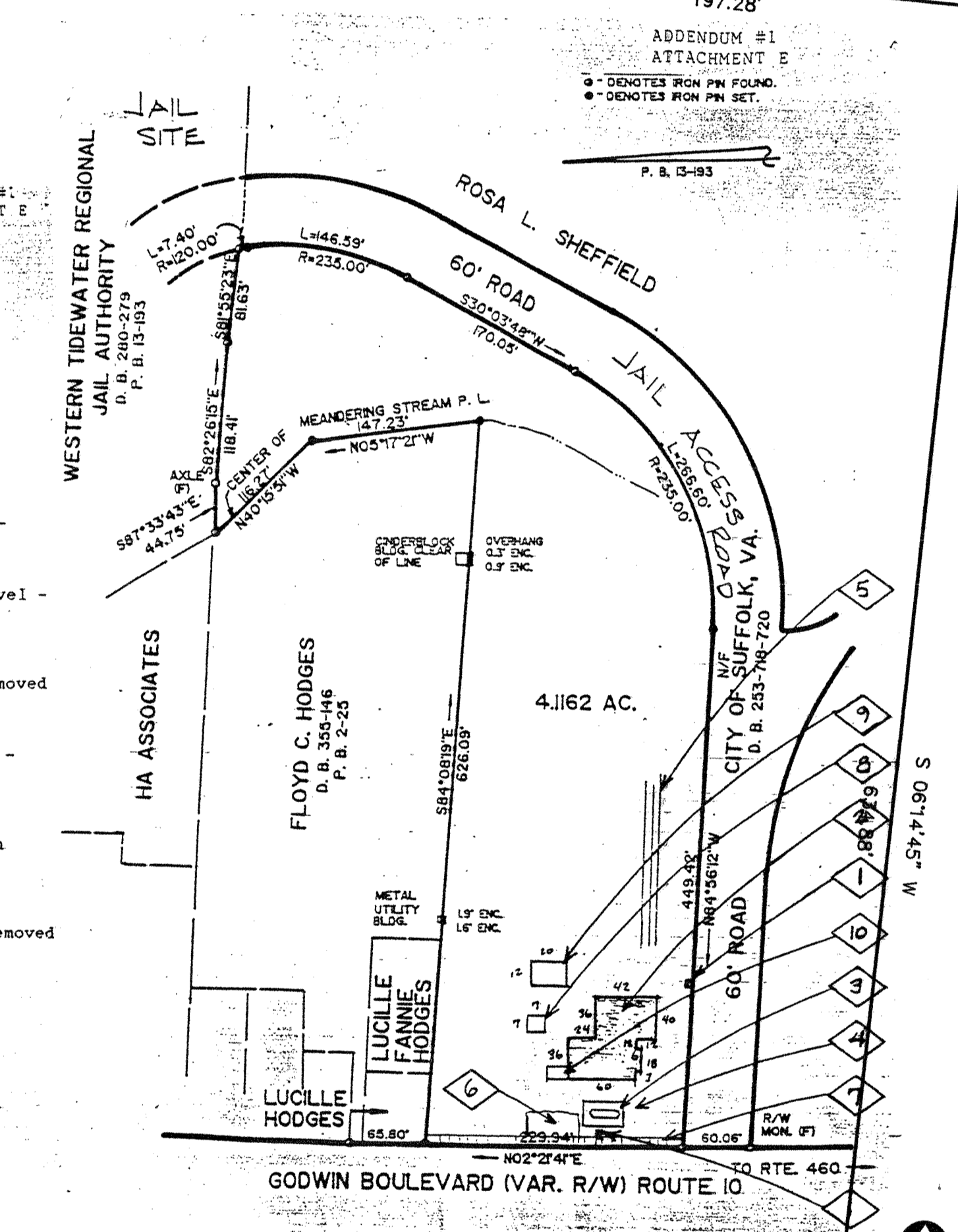
WESTERN REGIONAL TIDEWATER JAIL			
PROJECT MANAGER: CONSTRUCTION CONTROL COORDINATION	ACCESS ROAD: CRG, INC. SITEWORK	MECHANICAL: DETENTION	
ARCHITECT: L. ROBERT KIMBALL & ASSOCIATES	GENERAL CONTRACTOR: D.W. CONSTRUCTION BUILDING	KITCHEN: LAUNDRY:	
THE WESTERN TIDEWATER REGIONAL JAIL AUTHORITY		CITY OF FRANKLIN	
CITY OF SUFFOLK: Sheriff J. Irving Barnes S. Chris Jones Johnny E. Mirella T.G. Underwood	COUNTY OF WESTMORLAND: Richard L. Turner R. Woodrow Cook, Jr. Wynn E. Swanson Sheriff Charles W. Phelps	CITY OF FRANKLIN: M. Rick Day, Jr. Robert E. Harrell Sheriff V.W. Francis, Jr. John J. Jackson	

- GENERAL NOTES:**
- Sign to be constructed of 3/4" thick exterior high density overlay plywood type A/C or better.
  - Vertical sign supports to be 4x4 pressure treated pine minimum 3'-0" in ground, in 12" diameter hole filled with concrete.
  - Horizontal to be 2x6 pressure treated pine with 2x6 pressure treated cross brace. Provide horizontal at top, bottom and midpoint of sign.
  - Erect sign in location as directed by the Project Manager.
  - Erect at proper distance above grade for maximum public viewing. Coordinate with Project Manager.
  - Color A is Process Blue background with black lettering. Color B is White background with black lettering. Use exterior paint.
  - Name of Contractors to be determined after bid date.
  - The General Building Contractor is to remove project sign on date of substantial completion.

WESTERN TIDEWATER REGIONAL JAIL BOARD  
20 ACRES

**REFERENCE NOTES:**

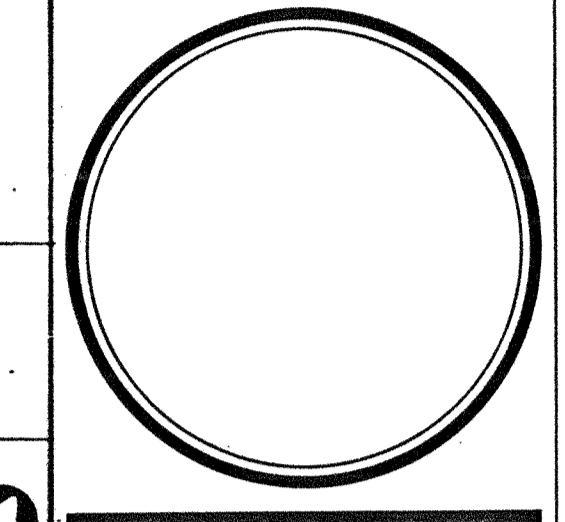
- Storm Drain - To Remain
- Existing Masonry Building & Its Contents - To Be Removed Approximate Size Is Shown on Drawing
- Existing Fuel Island & Surrounding Paving Material - To Be Removed
- Existing Asphalt Stone & Gravel - To Be Removed
- Existing Vineyard - To Be Removed
- Existing Gravel Parking Area - To Remain
- Existing Sidewalk - To Remain
- Existing Puaphouse - To Be Removed
- Old Foundation With Debris - To Be Removed
- Existing Concrete Structure - To Be Removed



NOTE:  
PROPERTY INFORMATION TAKEN FROM PLAT PREPARED BY G.R. JENKINS DATED APRIL 11, 1990 AND REFERENCED TO D.B. 233 - 779 AND HWY. P.B. 4 - 191.

REVISION NO.	DATE	DESCRIPTION
1	1-25-91	ADD ATTACHMENT H
2		REVISION APPROVED
3		ADD ATTACHMENT E
4		

AS BUILT REVISIONS	DATE	DESCRIPTION
6-26-92		

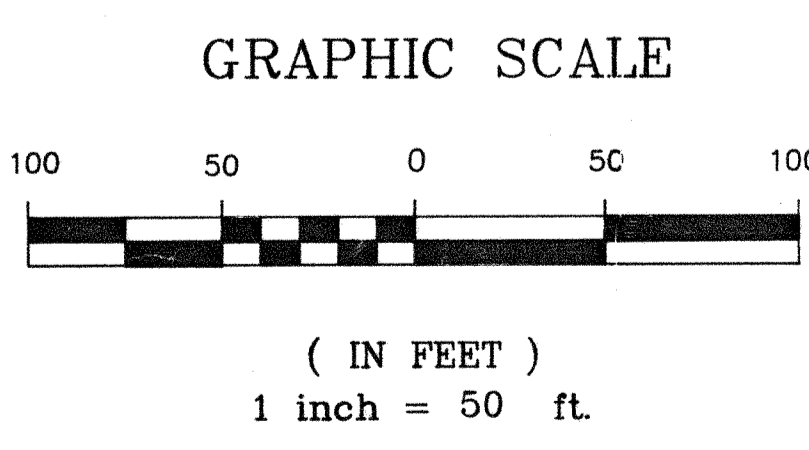


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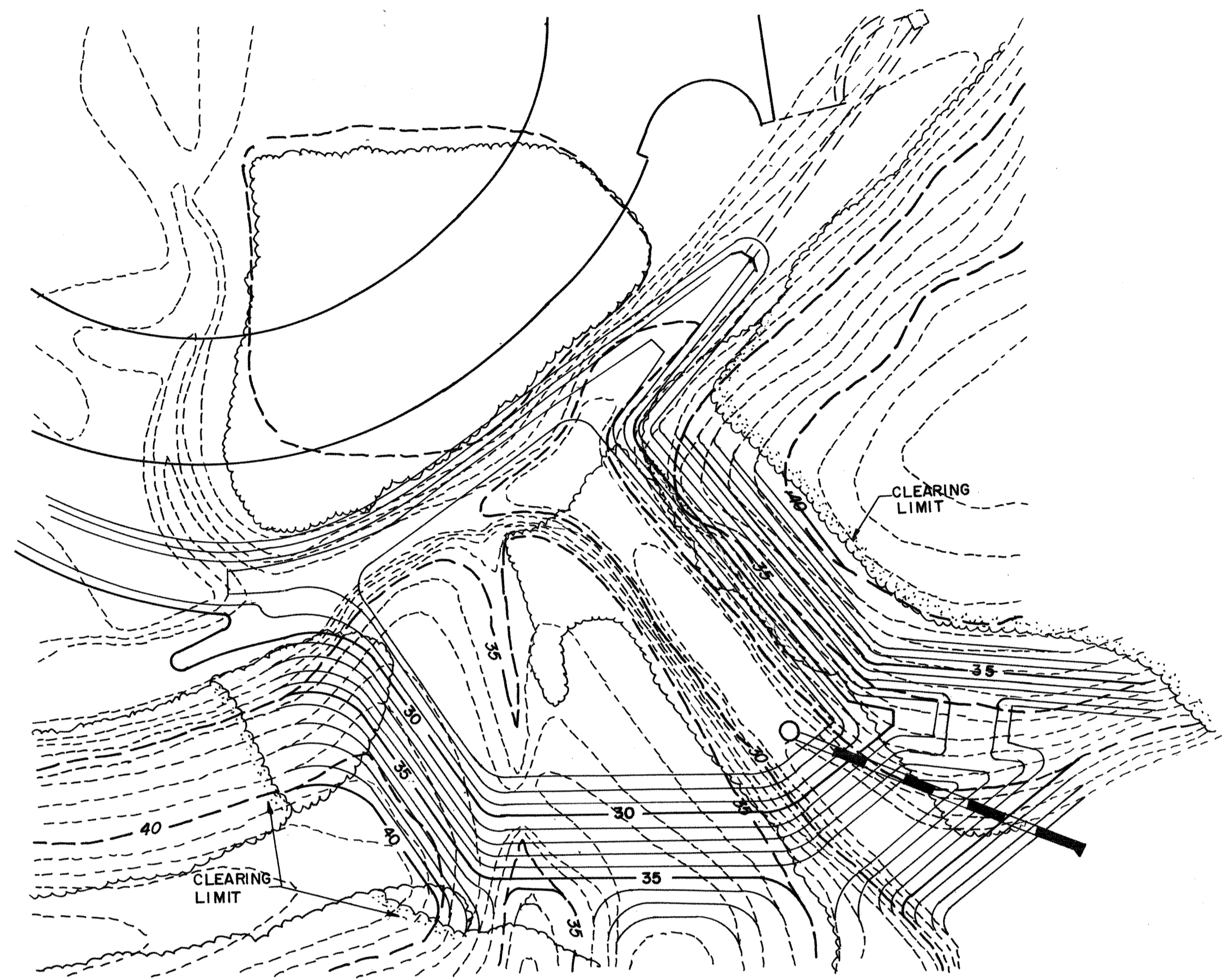
**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

PROPERTY PLAN  
PROJ. NO. 88-0153-395-60  
DATE 9-24-90  
SCALE 1"=50'

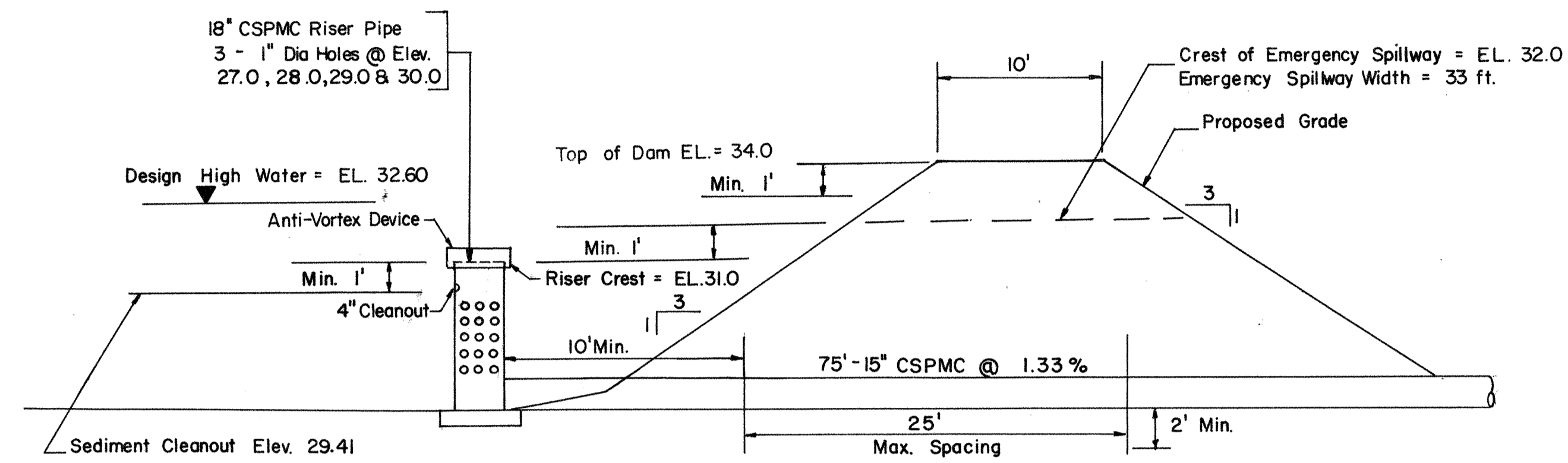
LD-7







**SEDIMENT POND #1**



**SEDIMENT POND #1 SCHEMATIC**

N.T.S.

**PRINCIPAL SPILLWAY DIMENSIONS - POND #1**

TOP STIFFENER = 2" X 2" X 1/4" ANGLE WELDED PERPENDICULAR TO CORRUGATIONS

TOP PLATE = 14 GAUGE CORRUGATED METAL WITH ENDS LEFT OPEN

CYLINDER = 14 GAUGE CORRUGATED METAL  
DIAMETER = 27"  
TOTAL HEIGHT = 24"

SUPPORT BAR = #6 REBAR

**PRINCIPAL SPILLWAY DIMENSIONS - POND #2**

TOP STIFFENER = 2" X 2" X 1/4" ANGLE WELDED PERPENDICULAR TO CORRUGATIONS

TOP PLATE = 14 GAUGE CORRUGATED METAL WITH ENDS LEFT OPEN

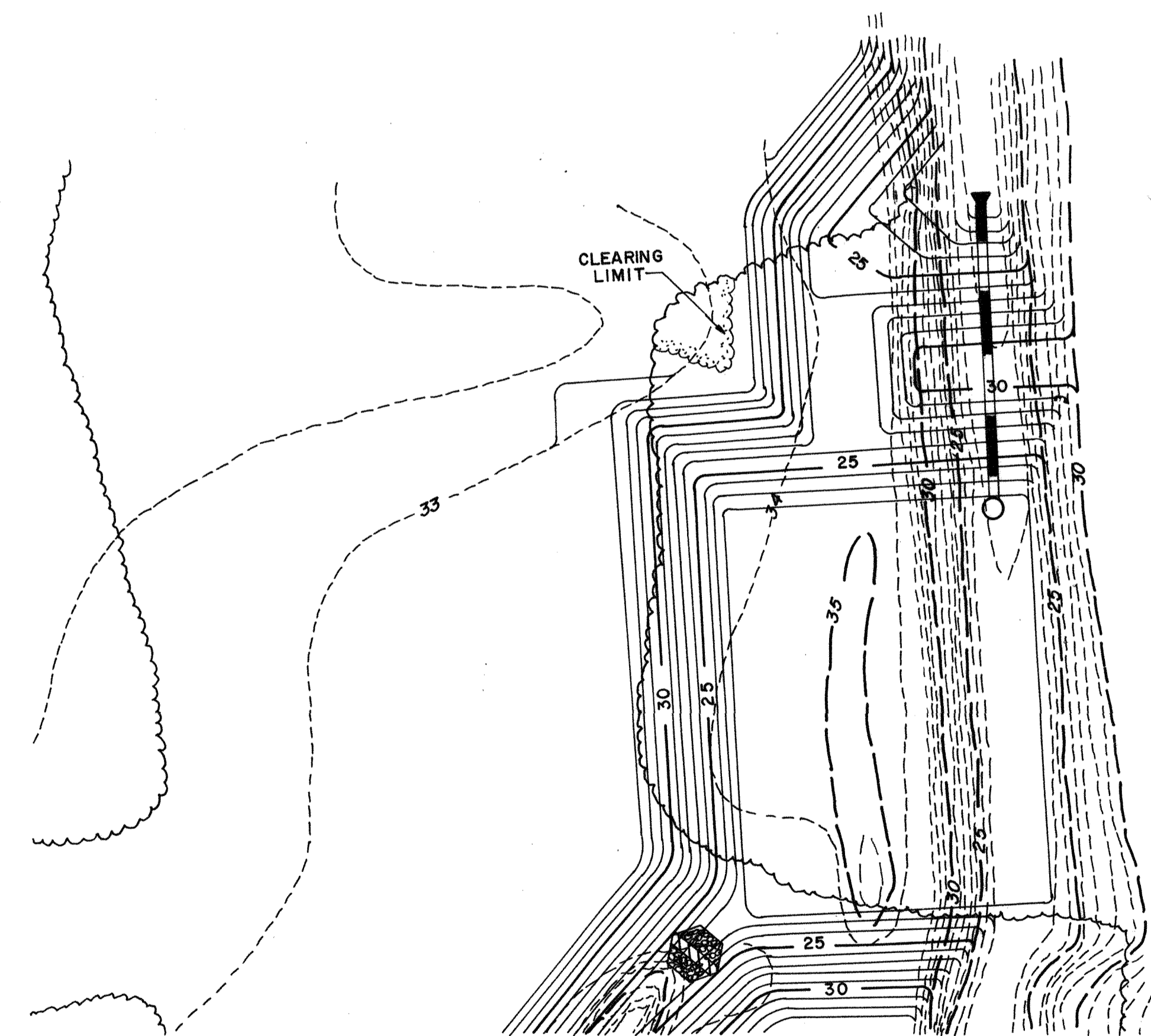
CYLINDER = 14 GAUGE CORRUGATED METAL  
DIAMETER = 42"  
TOTAL HEIGHT = 24"

SUPPORT BAR = #6 REBAR

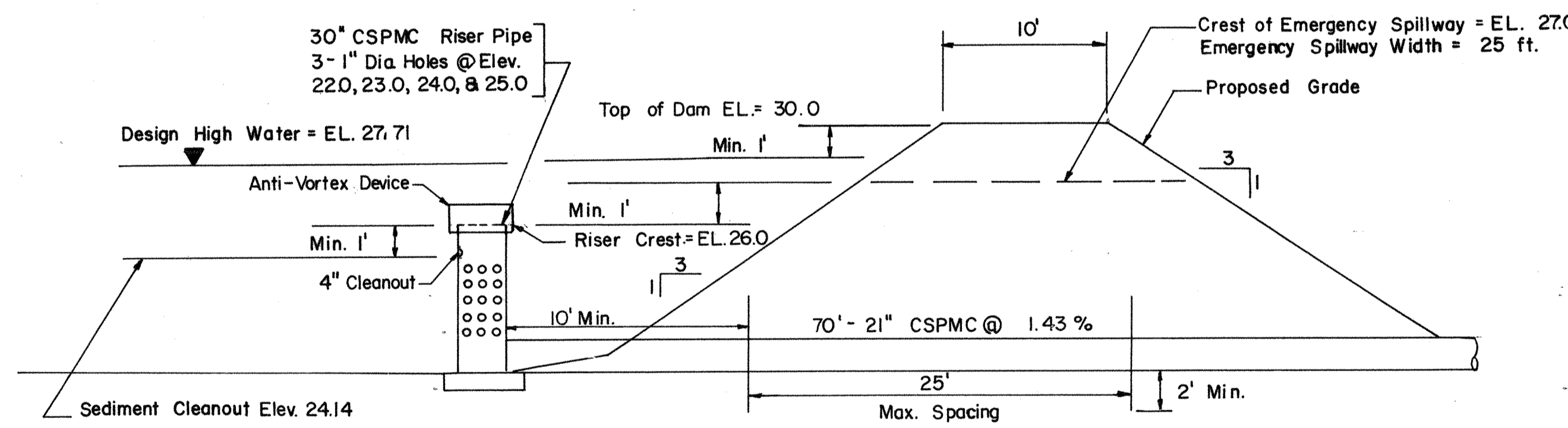
NOTE: Anti-Seep Collars Shall Not Be Placed Within 2' of a Pipe Joint.

**EROSION AND SEDIMENT CONTROL PLAN NOTES:**

- No unworked disturbed area is to remain denuded longer than 14 days.
- All erosion and sediment control measures are to be placed prior to or as the first step in grading.
- All storm and sanitary sewer lines not in streets are to be mulched and seeded within 5 days after backfill. No more than 500 feet are to be open at any one time.
- Electric power, telephone and gas supply trenches are to be compacted, seed and mulched within 5 days after backfill.
- All temporary earth berms, diversions and sediment basin embankments are to be machine-compacted, seeded and mulched for temporary vegetative cover immediately after grading. Straw or hay mulch is required.
- All fills are to be left with a temporary fill diversion at the top of the slope at the end of each day's operation.
- All cut and fill slopes are to be seeded and mulched immediately after completion of grading.
- A copy of the Erosion and Sedimentation Control narrative shall be on site at all times.
- During construction, all storm drain inlets shall be protected by silt traps, maintained and modified as required by construction progress.
- At the completion of the construction project, all temporary erosion and sediment controls shall be removed and all denuded areas shall have an adequate stand of vegetation.



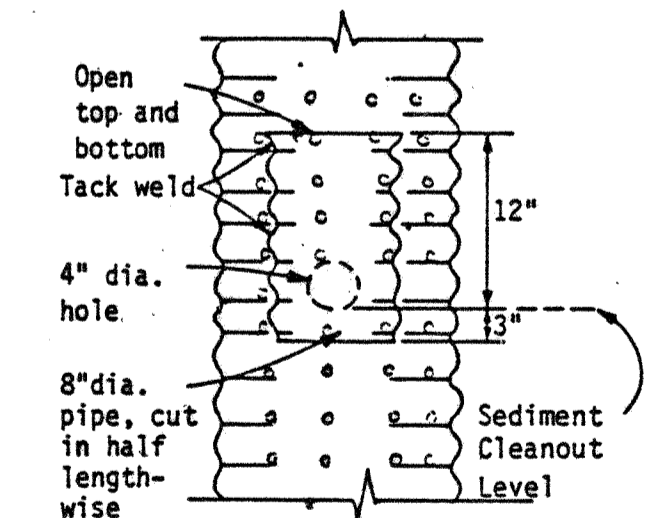
**SEDIMENT POND #2**



**SEDIMENT POND #2 SCHEMATIC**

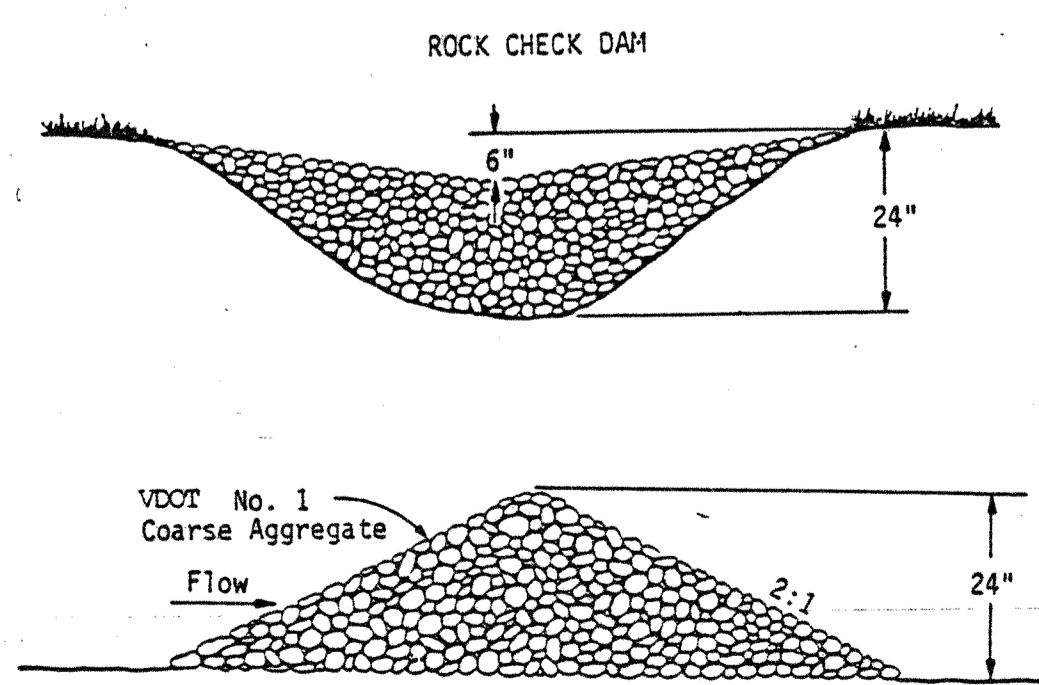
N.T.S.

NOTE: Anti-Seep Collars Shall Not Be Placed Within 2' of a Pipe Joint.



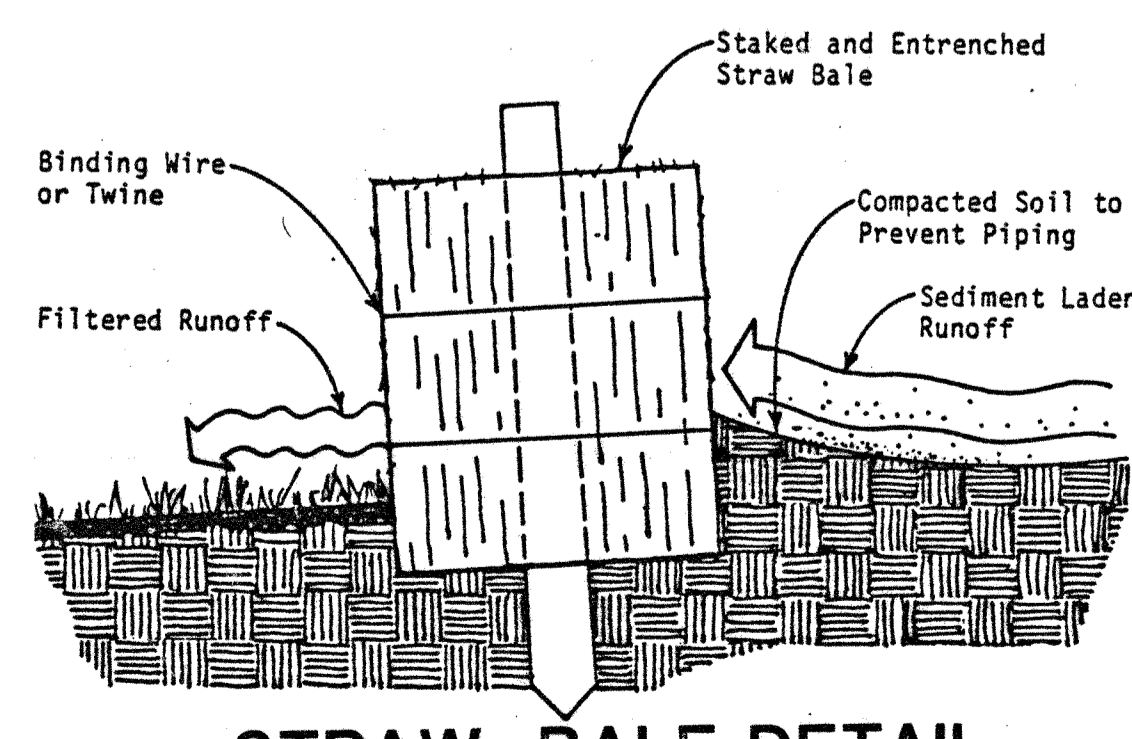
**CLEANOUT DETAIL**

N.T.S.



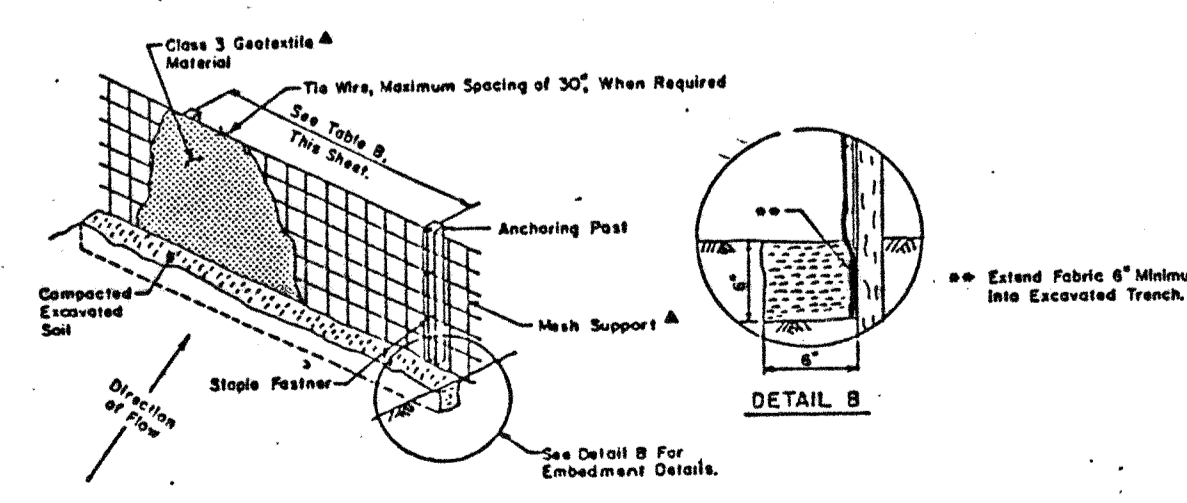
**DITCH CHECK**

N.T.S.



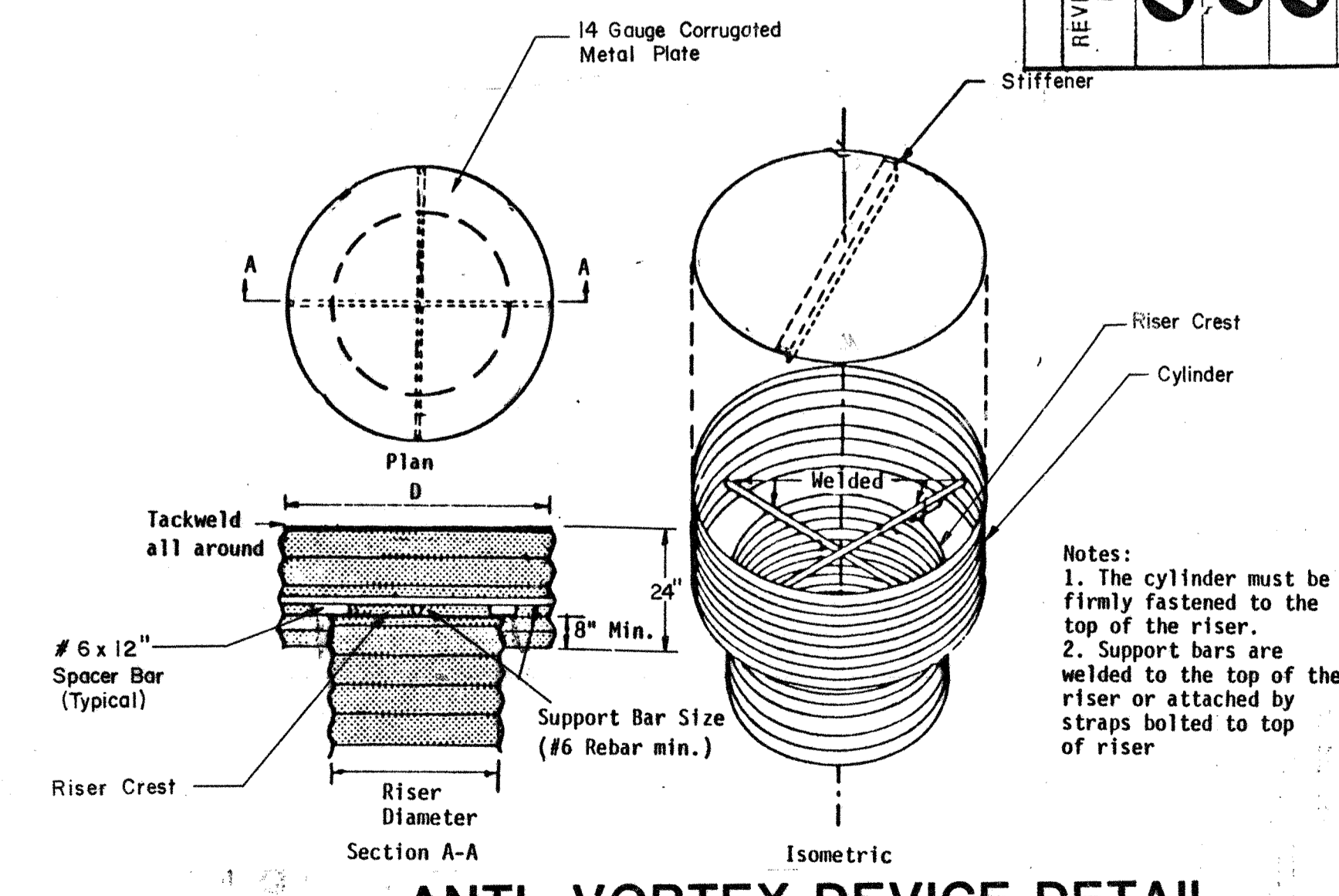
**STRAW BALE DETAIL**

N.T.S.



**SILT BARRIER FENCE**

N.T.S.



**ANTI-VORTEX DEVICE DETAIL**

N.T.S.

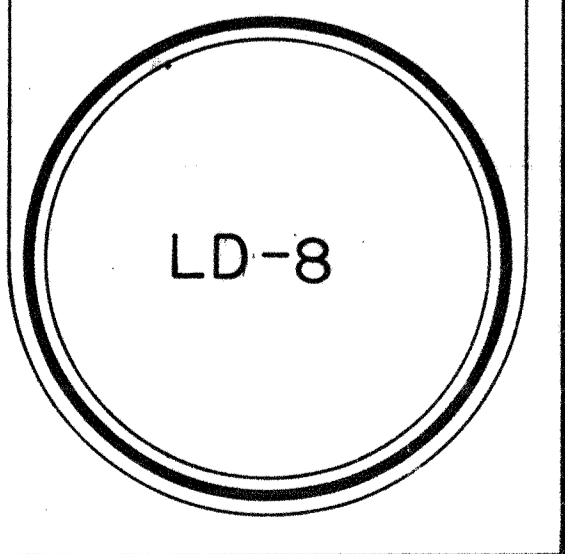
REVISION NO.	DATE	DESCRIPTION
AS BUILT REVISIONS	G-26-92	



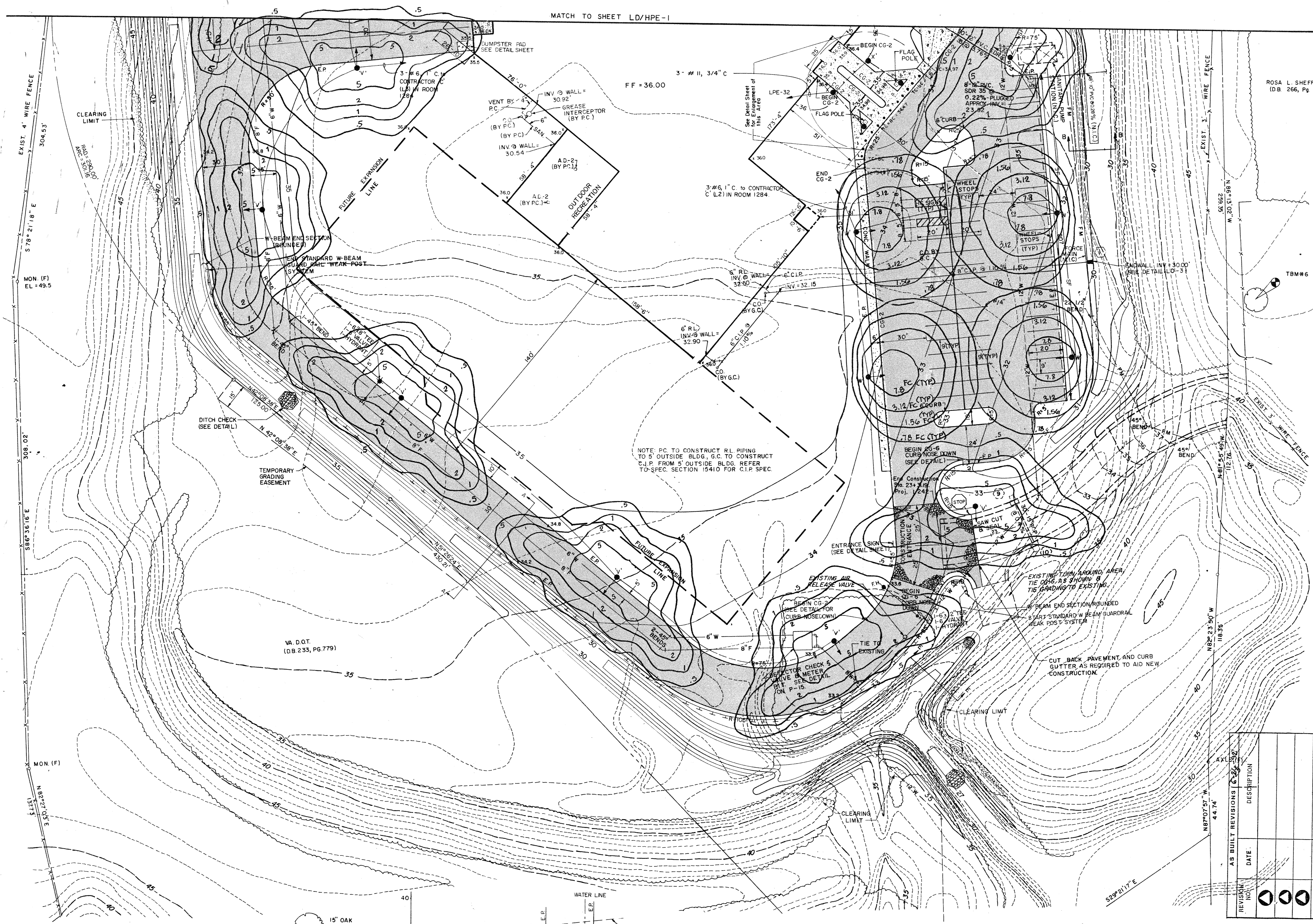
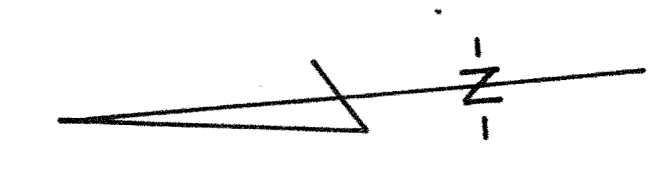
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**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

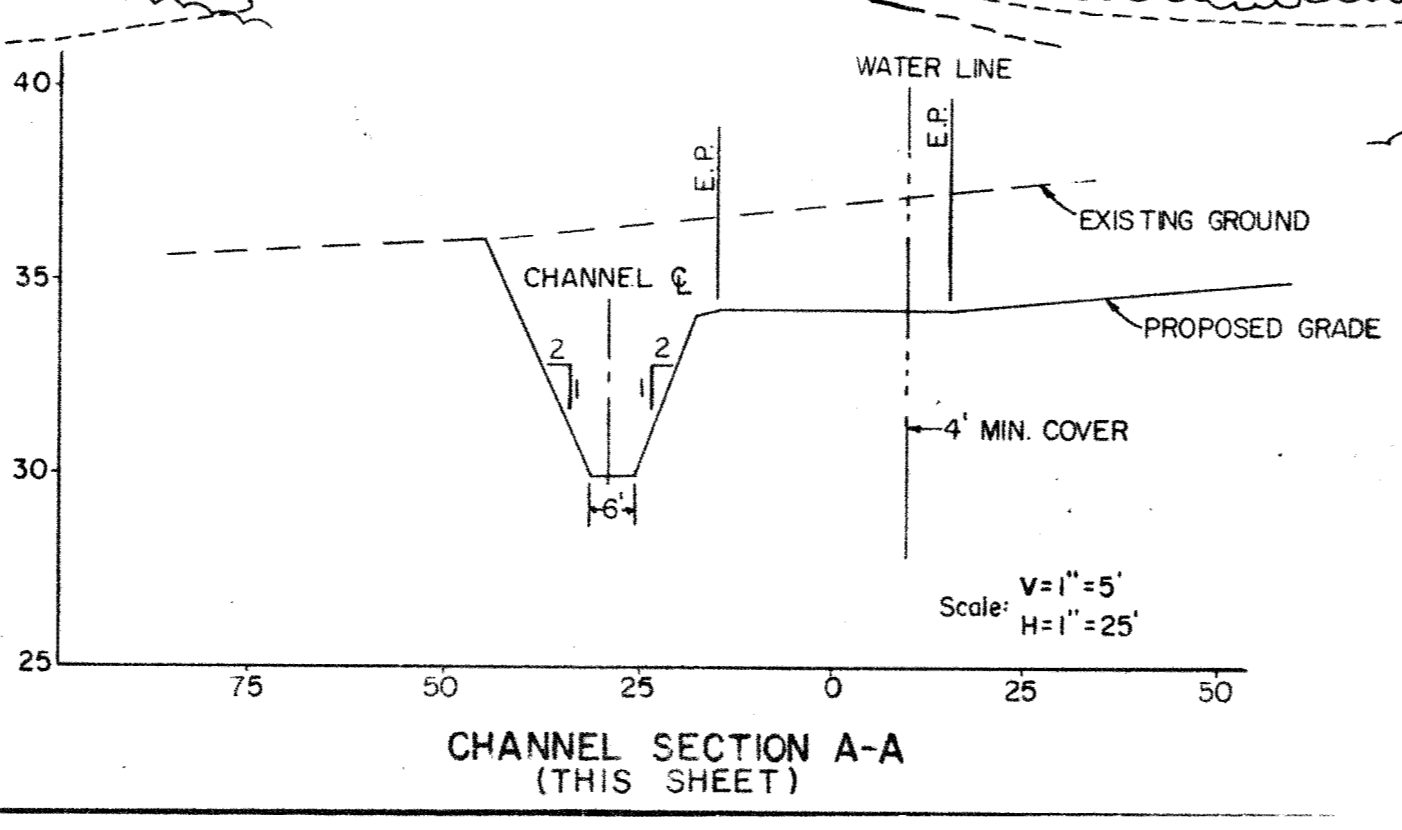
**SEDIMENT BASIN DETAILS**  
PROJ. NO. 89-0163-395-80  
DATE 10-28-90  
SCALE AS SHOWN



THIS PLAN FOR PHOTOMETRIC ENVELOPE ONLY!  
NOT FOR CONSTRUCTION

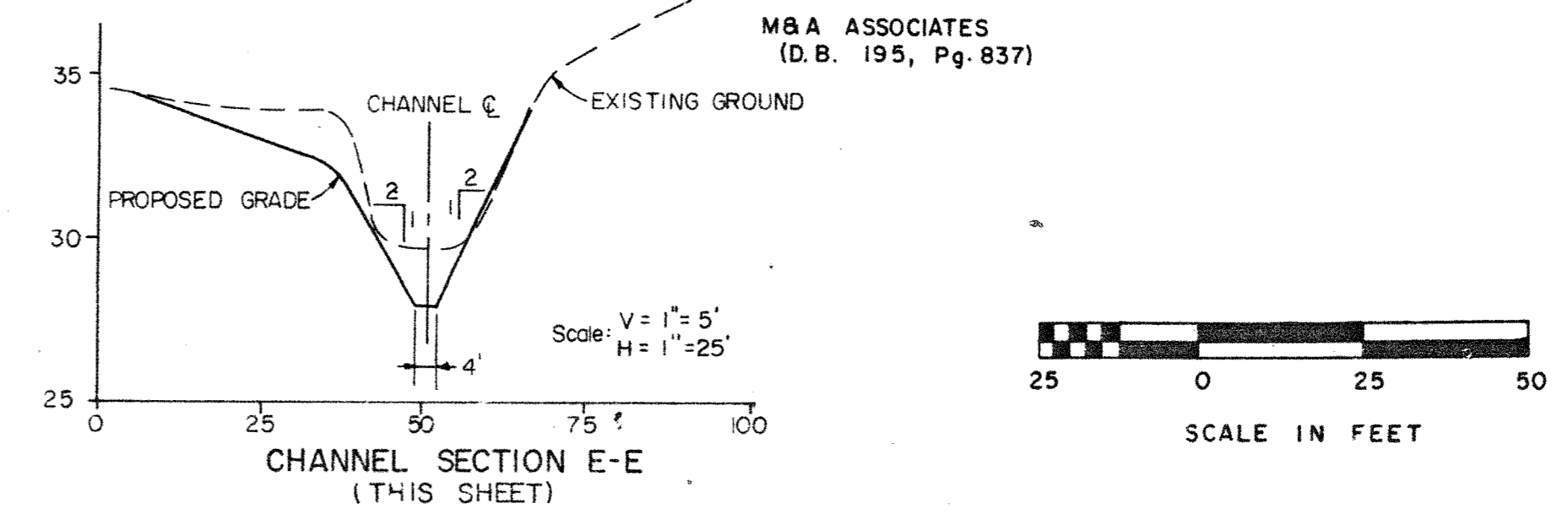


- TBM # 2  
R/R Spike in 15" Oak  
Tree Elevation = 47.25'
- TBM # 6  
R/R Spike in Oak Tree  
Tree Elevation = 47.77'

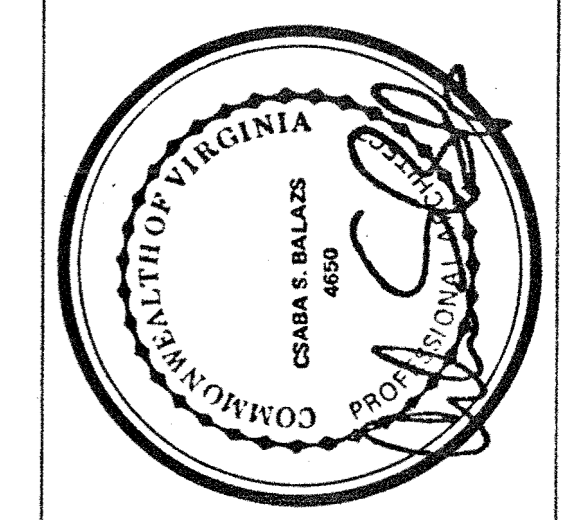


**STORM SEWER TABLE**

(9) STA. 22+7895.16 RT. STD. VDOT DI-3C L=6' RIM ELEV. 32.67 INV. (W)=28.75	(11) STA. 22+7895.28' LT. STD. VDOT FEC. ES-2 W/EC-1 INV. = 28.49
(10) STA. 22+7895.16' LT. STD. VDOT DI-3C L=6' RIM ELEV. = 32.67 INV. (E)=28.63 INV. (W)=28.53	(1) ENDWALL INV. = 30.00



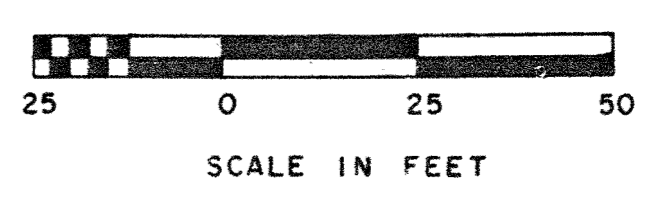
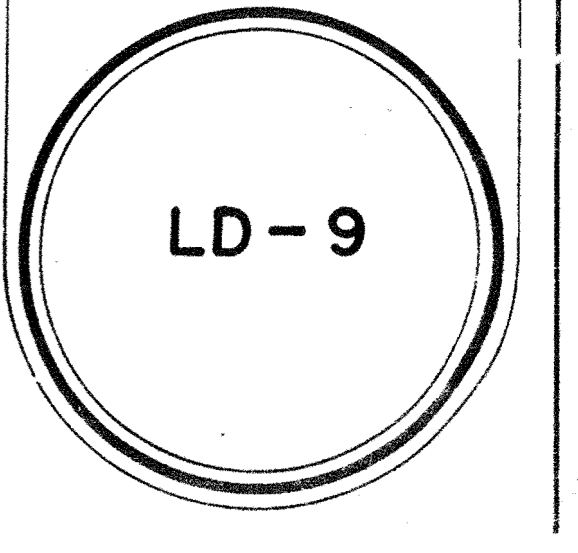
REVISION	DATE	DESCRIPTION
1		
2		
3		
4		



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**WESTERN TIDEWATER  
REGIONAL JAIL**  
Suffolk, Virginia

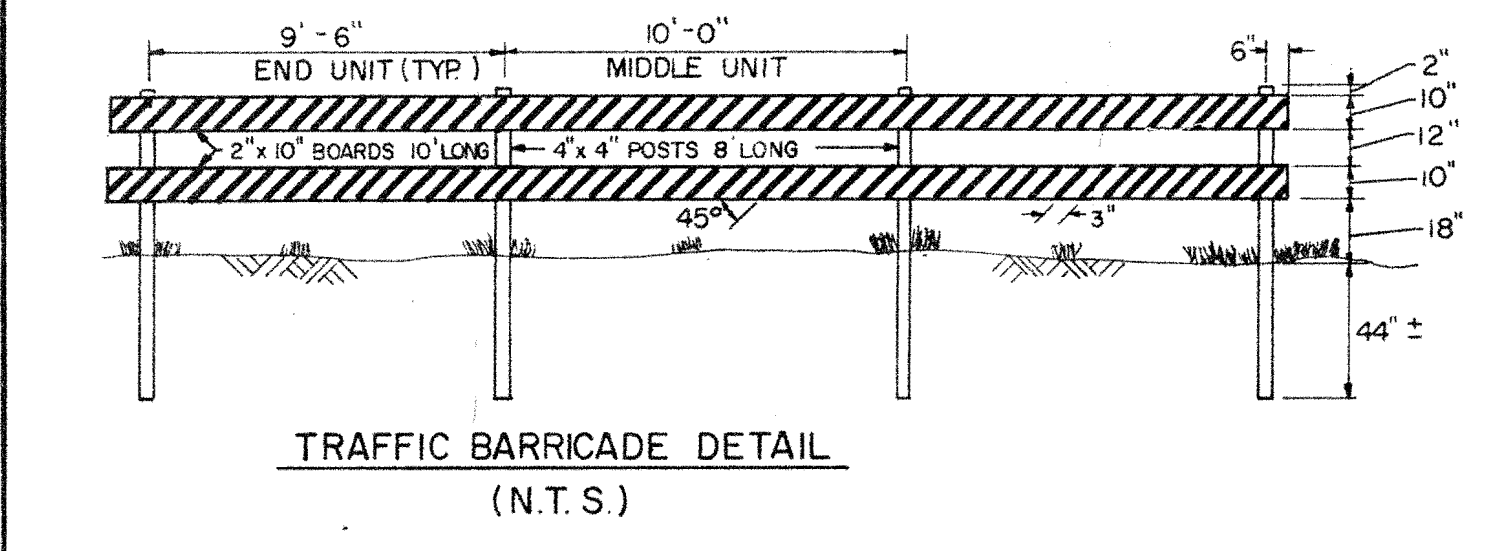
**SITE LIGHTING  
SITE PLAN**  
DATE: 9-24-90  
SCALE: 1"=25'



PROJ. NO. 89-013-395-60

M&A ASSOCIATES  
(D.B. 195, Pg. 837)

**THIS PLAN FOR PHOTOMETRIC ENVELOPE ONLY!  
NOT FOR CONSTRUCTION**



Barricade rails should be supported in a manner that will allow them to be seen by the motorist and provide a stable support not easily blown over by the wind or traffic. The reflectorized area shall have a smooth, sealed outer surface. The predominant color for other barricade components shall be white, except that unpainted galvanized metal or aluminum components may be used. Because of their vulnerable position and the possible hazard they could create, barricades should be constructed of lightweight materials and have no rigid stay bracing.

Planks to be fastened to post with 2 3/8" x 6 1/2" carriage bolts and washers or with 2 7/16" x 4" lag screws and washers.

Bolts and screws not to be placed closer than 2" from edge of planks.

This barricade to be placed at end of all dead end streets.

**Characteristics**

Color of stripes reflectorized red and reflectorized white

Width of stripes 6 inches

Number of reflectorized rail faces 4 (2 each direction)

For wooden components nominal lumber dimensions will be satisfactory.

This barricade is described in Section 6C-3, Manual on Uniform Traffic Control Devices, U.S. Department of Transportation, 1978

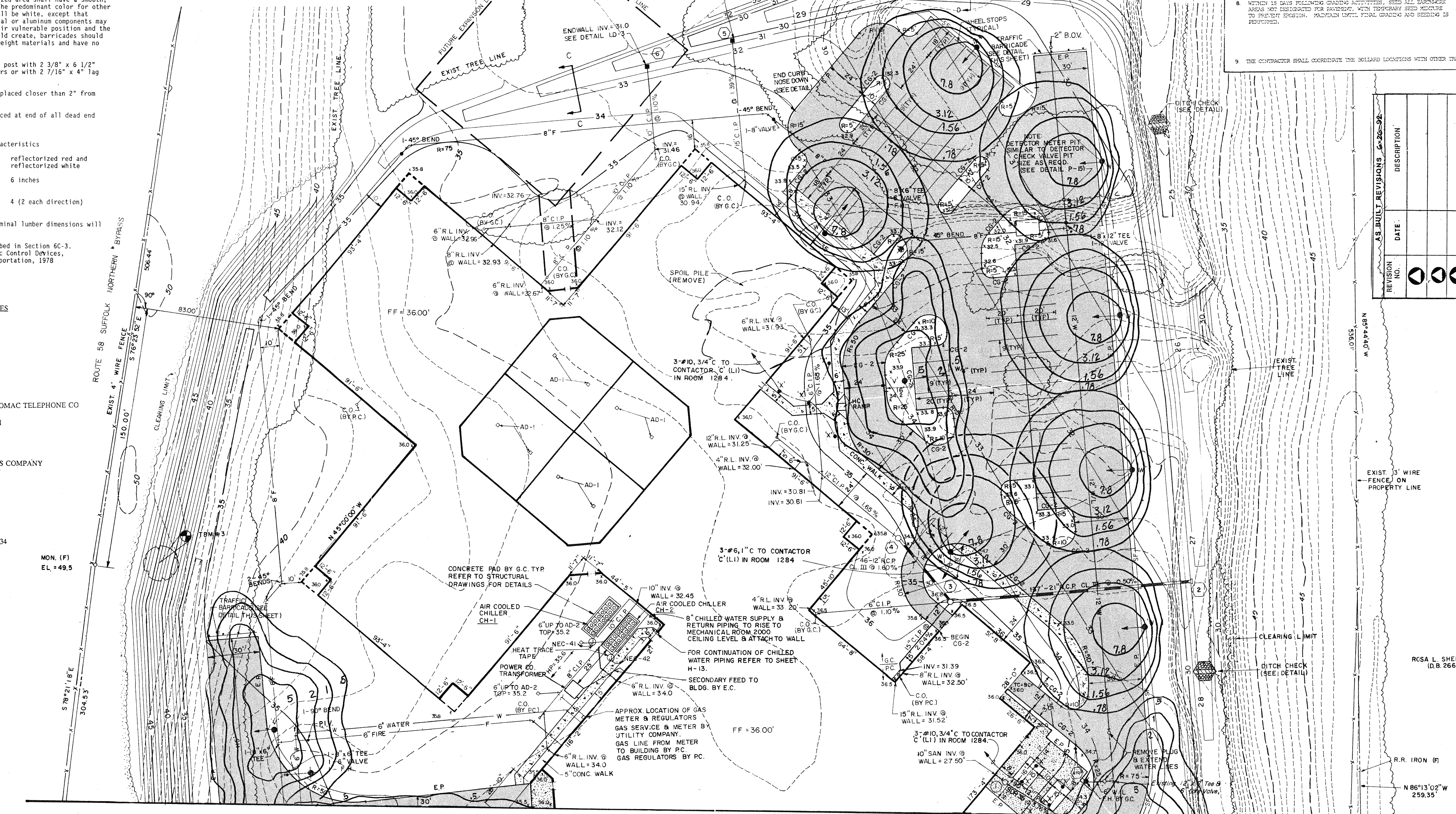
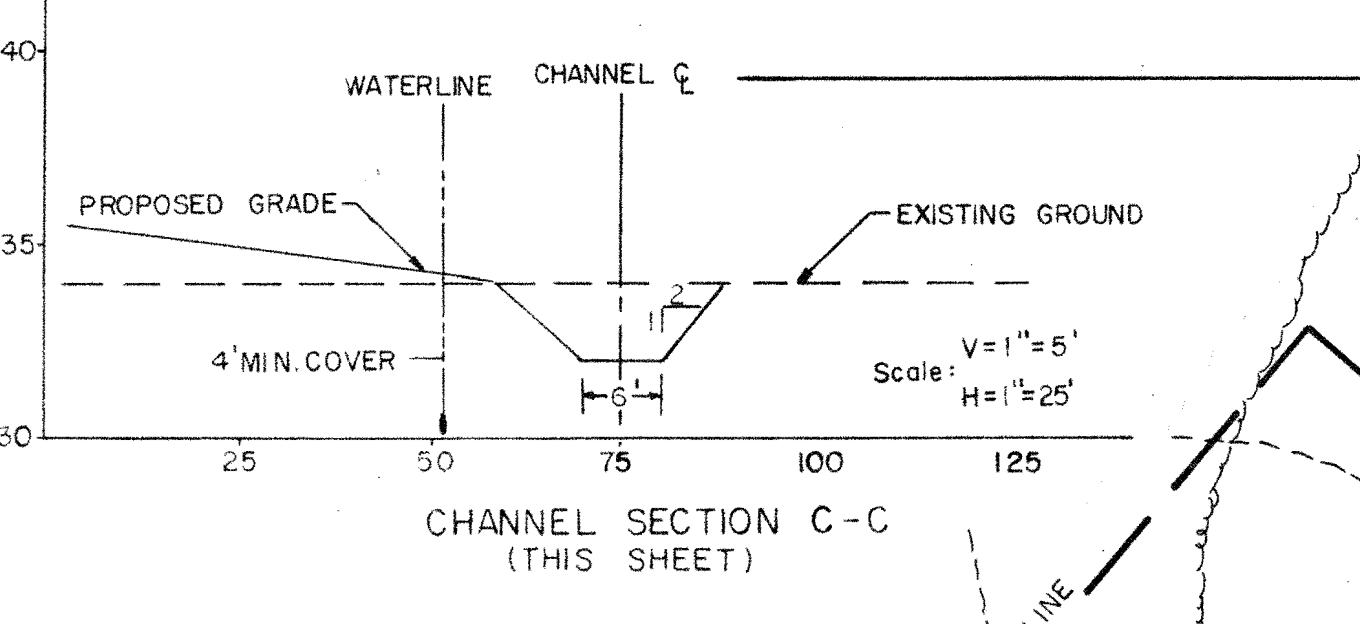
**LIST OF UTILITIES**

**WATER:**  
CITY OF SUFFOLK  
WATER DEPARTMENT  
P.O. BOX 1838  
SUFFOLK, VA 23434  
PHONE 804/934-3111

**TELEPHONE:**  
CHESAPEAKE AND POTOMAC TELEPHONE CO  
2920 ELMHURST LANE  
PORTSMOUTH, VA 23701  
PHONE 804/625-6157

**GAS:**  
VIRGINIA NATURAL GAS COMPANY  
130 COMMERCE STREET  
SUFFOLK, VA 23430  
PHONE 804/539-2376

**ELECTRIC:**  
VIRGINIA POWER  
P.O. BOX 1310  
SUFFOLK, VIRGINIA 23434  
PHONE 804/539-2311



- GENERAL NOTES**
- PROPOSED CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL STANDARDS, SPECIFICATIONS, AND REQUIREMENTS.
  - ALL CONSTRUCTION SHALL BE IN A WELL ESTABLISHED CONDITION AND BE IN ACCORDANCE WITH THE POLICIES AND REGULATIONS OF THE POLYNESIAN AUTHORITY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FROM THE POLYNESIAN AUTHORITY. THE CONTRACTOR SHALL VERIFY THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS.
  - EXISTING PAVEMENT DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED PER STANDARD PRACTICE CONSTRUCTION PRACTICES AND SPECIFICATIONS.
  - EXISTING TOPOGRAPHY WAS OBTAINED FROM A TOPOG MAP DATED 11-11-88, AND FROM THE JAIL HOUSE ROAD CONSTRUCTION PLANS DATED 01-31-89, BOTH PREPARED BY MILLER-STUMPF AND ASSOCIATES.
  - BEFORE CONSTRUCTION, CONTRACTOR SHALL VERIFY FROM THE ARCHITECTURAL DRAWINGS ALL DIMENSIONS, DETAILS, AND TOLERANCES FOR THE PROPOSED BUILDING AND STRUCTURES, AND FOR OTHER PROPOSED CONSTRUCTION WORK INDICATED ON THE PLAN.
  - DESIGN AND SITUATION CONTROL SHALL BE PROVIDED WHERE NECESSARY FROM TO CLEARING, GRADING, AND CONSTRUCTION.
  - NOTHING IN THIS PLAN IS TO BE CONSIDERED AS A GUARANTEE OF THE ACCURACY OF ANY DATA NOT INDICATED FOR REVISION. WITH TEMPORARY SEE MEASURES TO PREVENT EROSION, MAINTAIN UNTIL FINAL GRADING AND SETTING IS COMPLETED.
  - THE CONTRACTOR SHALL COORDINATE THE POLLARD LOCATIONS WITH OTHER TRACES.

REVISION NO.	DATE	DESCRIPTION
1		
2		
3		
4		



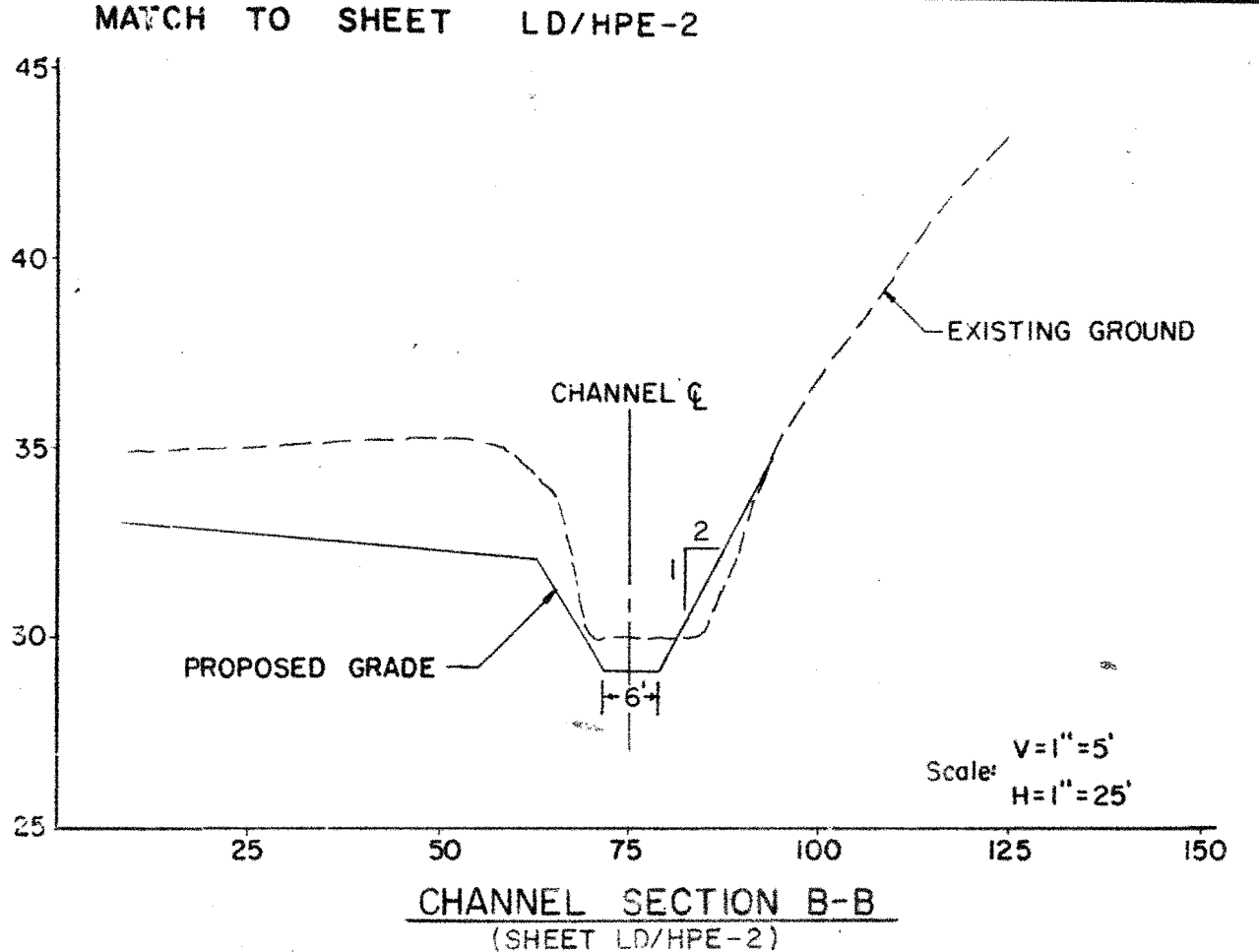
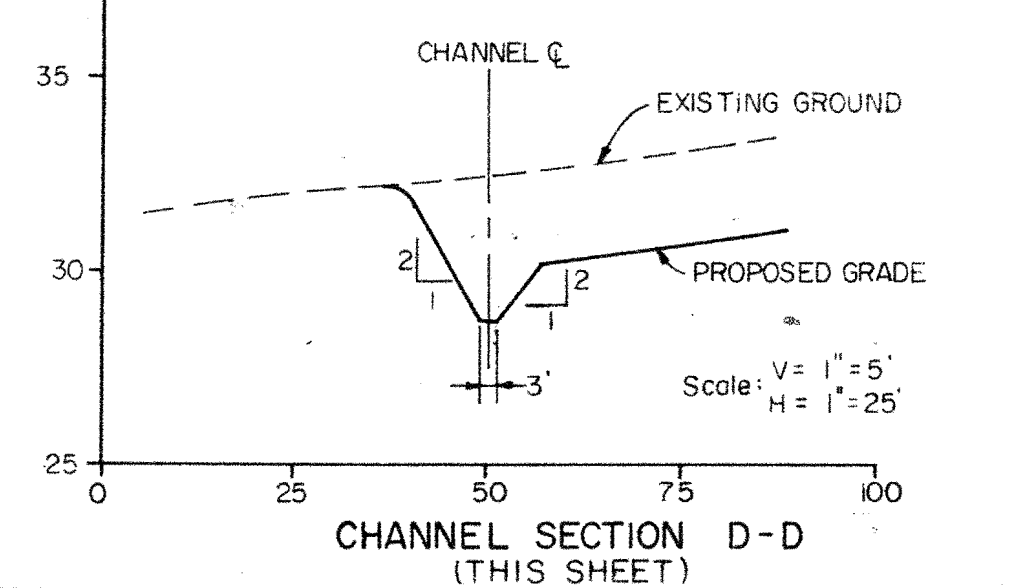
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**STORM SEWER TABLE**

- STD. VDOT END SECTION  
INV = 27.30
- STD. VDOT MH  
TOP = 36.20  
INV IN = 30.38 (15" C.I.P)  
INV IN = 32.32 (16" C.I.P)  
INV IN = 28.73 (12" R.C.P)  
INV OUT = 27.98
- STD. VDOT MH  
TOP = 35.20  
INV IN = 29.67  
INV OUT = 29.47

**SANITARY SEWER TABLE**

- STD. SANITARY M.H.  
TOP = 35.80  
INV IN = 27.40  
INV OUT = 27.30
- ENDWALL  
INV = 30.00
- ENDWALL  
INV = 31.00



**LEGEND**

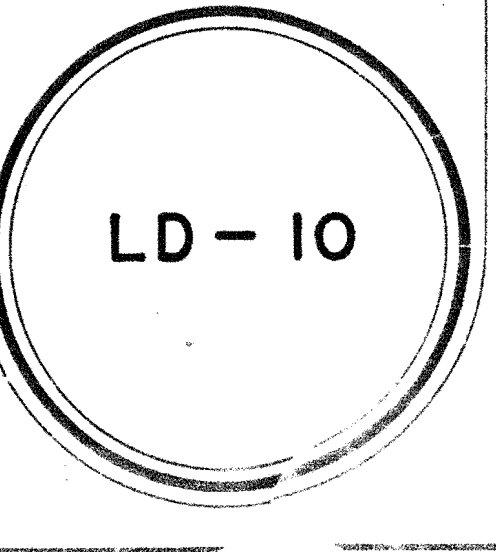
- EXISTING CONTOUR 30
- PROPOSED CONTOUR 30
- WATERLINE & APPURTENANCES W
- FENCE X X
- PROPERTY LINE ---
- SEWER LINE: FORCE FM
- LIGHT FIXTURE
- SILT FENCE SF
- EXISTING DRAINAGE (7)
- PROPOSED DRAINAGE (7)
- TEE REDUCER VALVE
- FIRE HYDRANT (FH)
- POST INDICATOR VALVE P.V.I.
- BLOW OFF VALVE B.O.V.

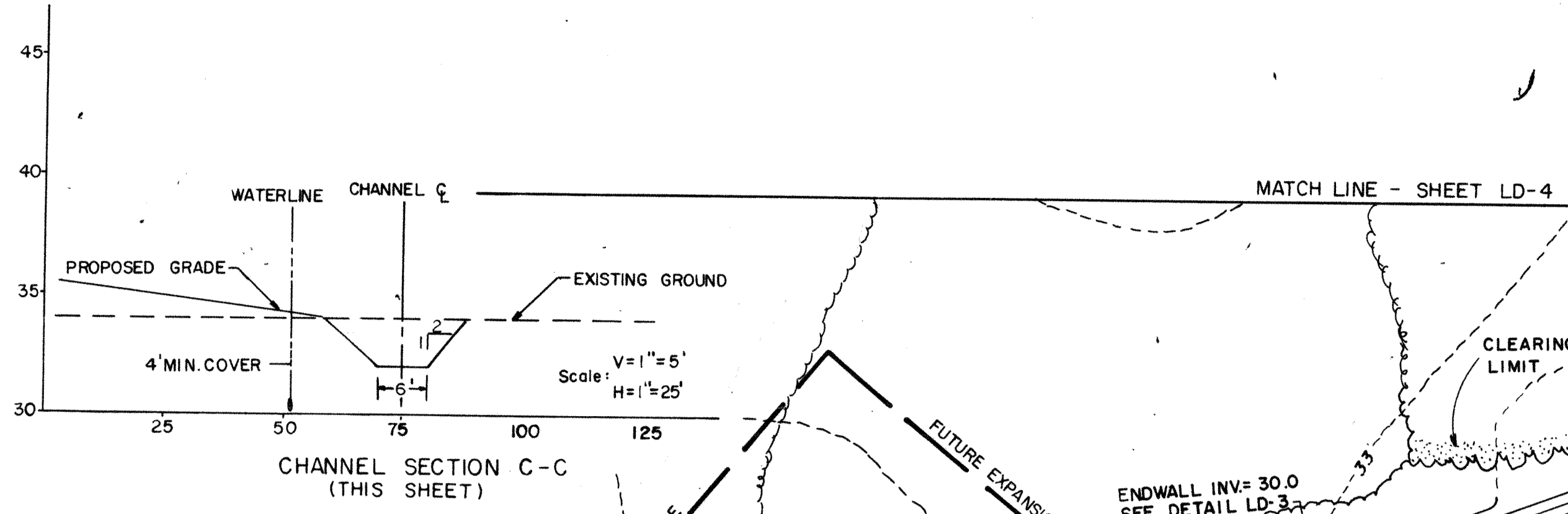
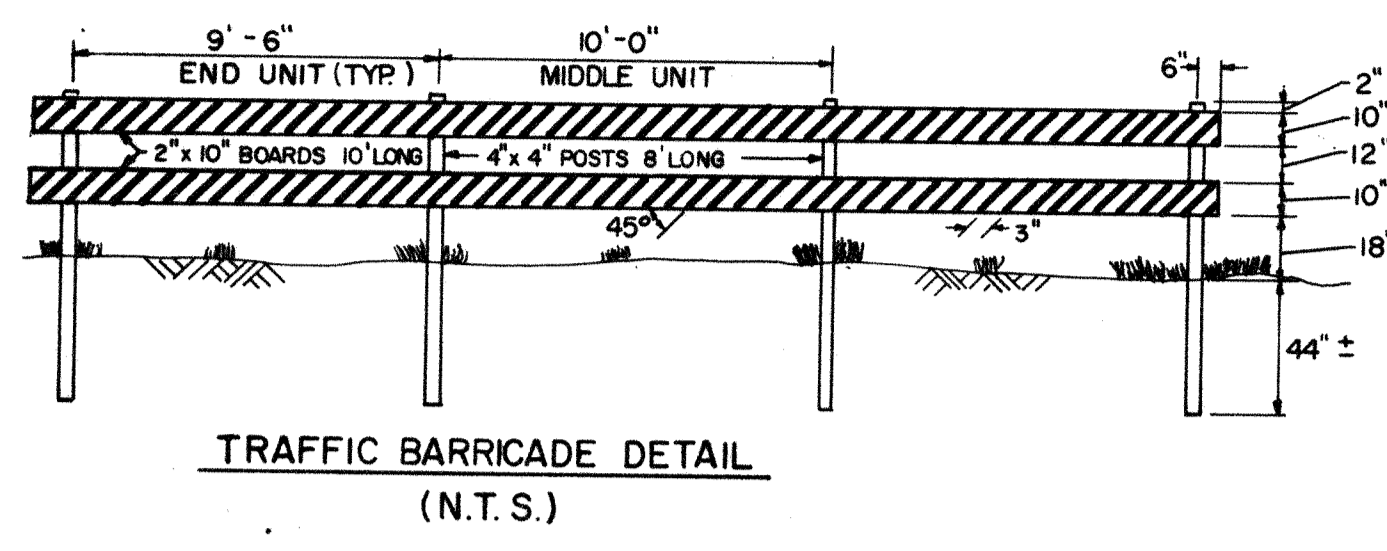
SCALE IN FEET 0 25 50

**WESTERN TIDEWATER  
REGIONAL JAIL**  
Suffolk, Virginia

**SITE LIGHTING  
SITE PLAN**

PROJ. NO. 89-0153 - 395-60  
DATE 9-24-90  
SCALE 1" = 25'





Barricade rails should be supported in a manner that will allow them to be seen by the motorist and provide a stable support not easily blown over by the wind or traffic. The reflectorized area shall have a smooth, sealed outer surface. The predominant color for other barricade components shall be white, except that unpainted galvanized metal or aluminum components may be used. Because of their vulnerable position and the possible hazard they could create, barricades should be constructed of lightweight materials and have no rigid stay bracing.

Planks to be fastened to post with 2 3/8" x 6 1/2" carriage bolts and washers or with 2 7/16" x 4" lag screws and washers.

Bolts and screws not be placed closer than 2" from edge of planks.

This barricade to be placed at end of all dead end streets.

**Characteristics**

Color of stripes reflectorized red and reflectorized white

Width of stripes 6 inches

Number of reflectorized rail faces 4 (2 each direction)

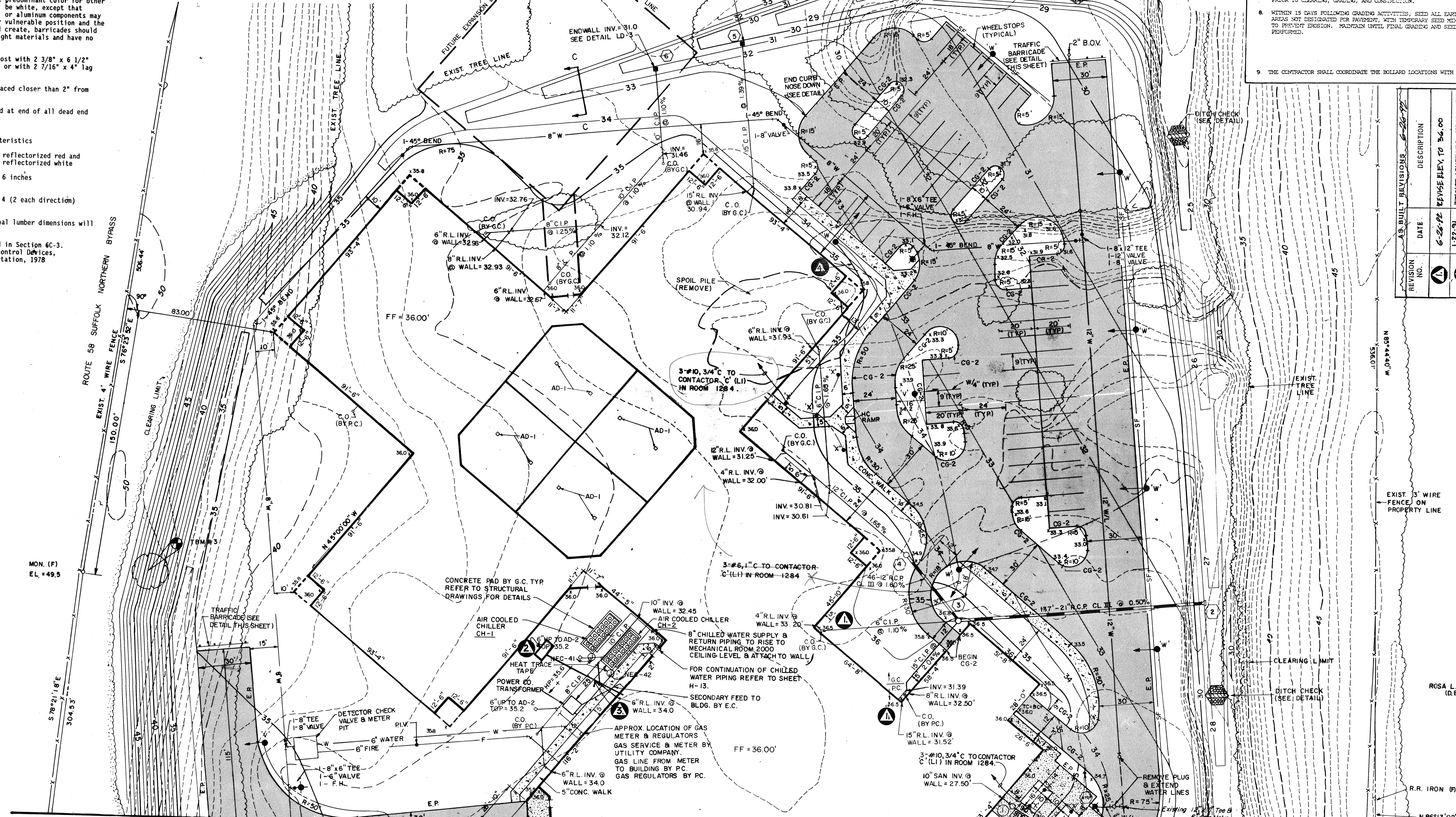
For wooden components nominal lumber dimensions will be satisfactory.

This barricade is described in Section 6C-3, Manual on Uniform Traffic Control Devices, U.S. Department of Transportation, 1978

- GENERAL NOTES**
- PROPOSED CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL STANDARDS, SPECIFICATIONS, AND REQUIREMENTS.
  - ALL GRASS-LINED CHANNELS MUST BE IN A WELL STABILIZED CONDITION AND SHOW NO SIGNS OF EROSION AT THE TIME OF FINAL ACCEPTANCE BY THE MAINTAINING AGENCY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FROM ISSUING AGENCIES. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS.
  - EXISTING PAYMENTS DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED FOR STANDARD MAINT CONSTRUCTION PRACTICES AND SPECIFICATIONS.
  - EXISTING TOPOGRAPHY WAS OBTAINED FROM A TOPO MAP DATED 11-01-88, AND FROM THE JAIL ACCESS ROAD CONSTRUCTION PLANS DATED 01-31-89, BOTH PREPARED BY MILLER-STEPHENSON AND ASSOCIATES.
  - PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY FROM THE ARCHITECTURAL DRAWINGS ALL DIMENSIONS, DETAILS, AND REQUIREMENTS FOR THE PROPOSED BUILDINGS AND SIDEWALKS, AND FOR OTHER PROPOSED CONSTRUCTION HERE INDICATED ON THE PLAN.
  - EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED WHERE NECESSARY PRIOR TO CLEARING, GRADING, AND CONSTRUCTION.
  - WITHIN 15 DAYS FOLLOWING GRADING ACTIVITIES, SEED ALL EXPOSED AREAS NOT DESIGNATED FOR PAVEMENT, WITH TEMPORARY SEED MIXTURE TO PREVENT EROSION. MAINTAIN UNTIL FINAL GRADING AND SEEDING IS COMPLETED.
  - THE CONTRACTOR SHALL COORDINATE THE BOLLARD LOCATIONS WITH OTHER TRADES.

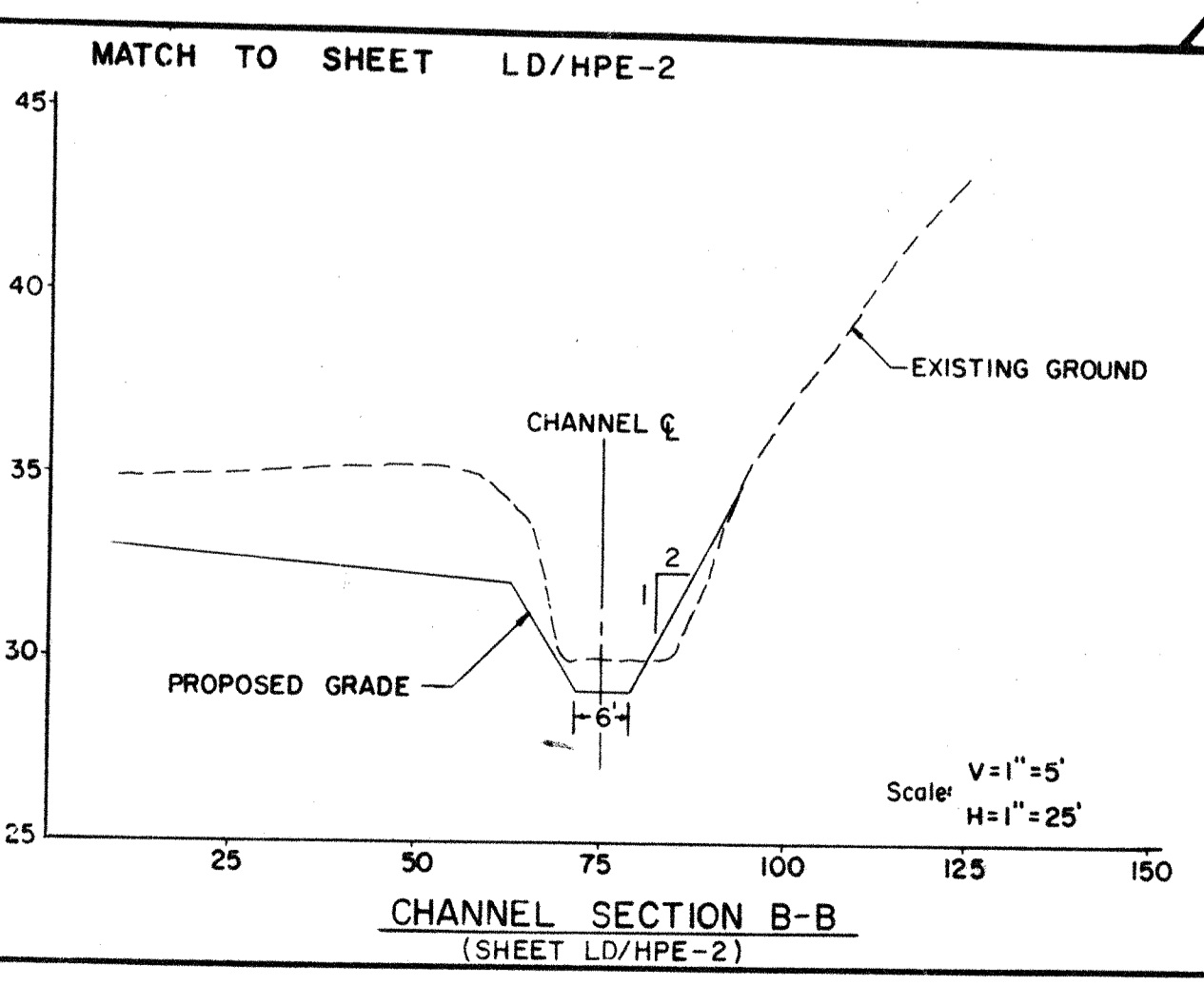


**L. ROBERT KIMBALL & ASSOCIATES**  
Architects & Engineers, Inc.  
Ebensburg, PA



REVISION NO.	DATE	DESCRIPTION
1	6-28-92	REVISE ELEV. TO 34.00
2	1-22-91	INCLUDE MANHOLE, INCREASE GRADING
3	7-22-91	ADJUST STORAGE TANK
4	9-10-92	AS BUILT'S AS OF 6-28-92

STORM SEWER TABLE		SANITARY SEWER TABLE	
2	STD. V.DOT END SECTION INV. = 27.30'	5	ENDWALL INV. = 30.00'
3	STD. V.DOT M.H. TOP = 36.20' INV. IN = 30.38 (15" C.I.P.) INV. IN = 32.32 (6" C.I.P.) INV. IN = 28.73 (12" R.C.P.) INV. OUT = 27.98'	6	ENDWALL INV. = 30.00'
4	STD. V.DOT M.H. TOP = 35.20' INV. IN = 29.67' INV. OUT = 29.47'	1	STD. SANITARY M.H. TOP = 35.80' INV. IN = 27.40' INV. OUT = 24.12'



**LEGEND**

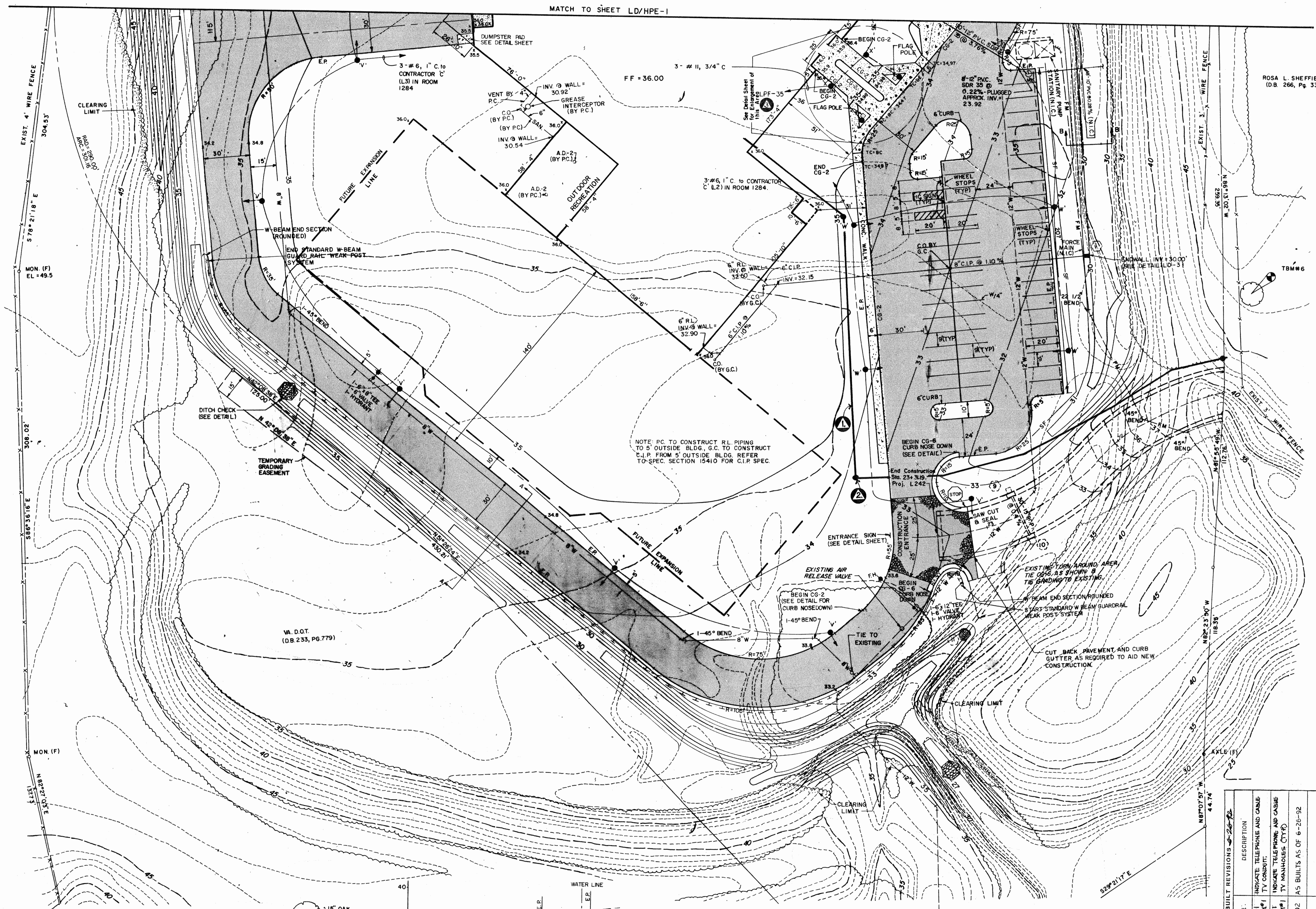
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WATERLINE & APPURTENANCES
- FENCE
- PROPERTY LINE
- SEWER LINE: FORCE MAIN
- LIGHT FIXTURE
- SILT FENCE
- EXISTING DRAINAGE
- PROPOSED DRAINAGE

SCALE IN FEET

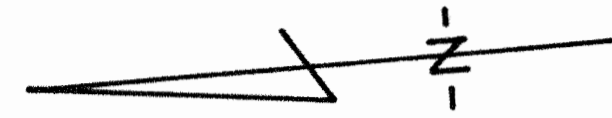
**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

**SITE PLAN**  
DATE 9-24-90  
SCALE 1/4" = 1'-0"

**LD/HPE-1**



MATCH TO SHEET LD/HPE-1

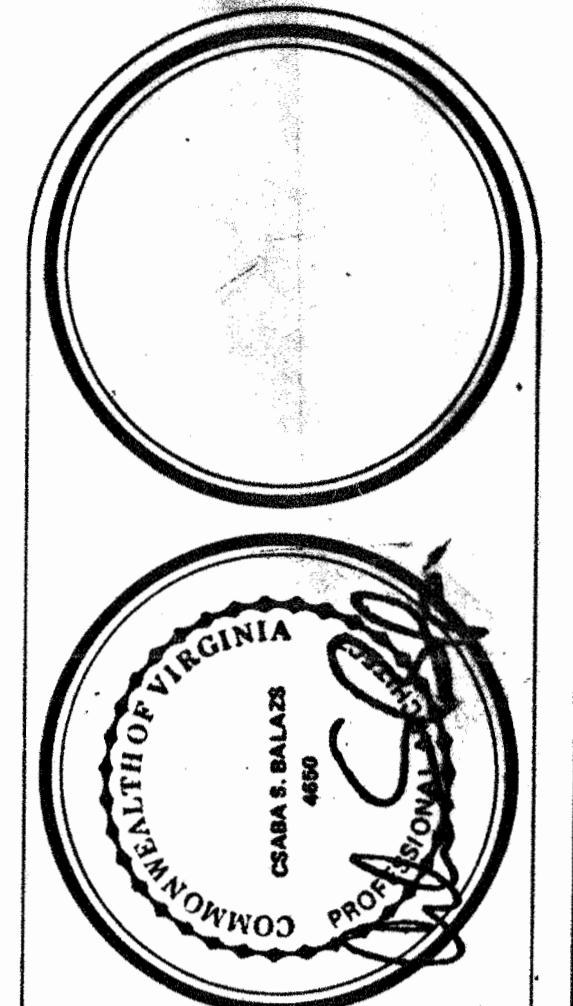


EXIST. 4" WIRE FENCE  
304.53'  
S 78° 21' 18" E  
MON. (F)  
EL = 49.5

308.02'  
S 88° 36' 18" E  
MON. (F)

350.00'  
S 82° 21' 17" E  
MON. (F)

ROSA L. SHEFFIELD  
(D.B. 266, Pg. 330)



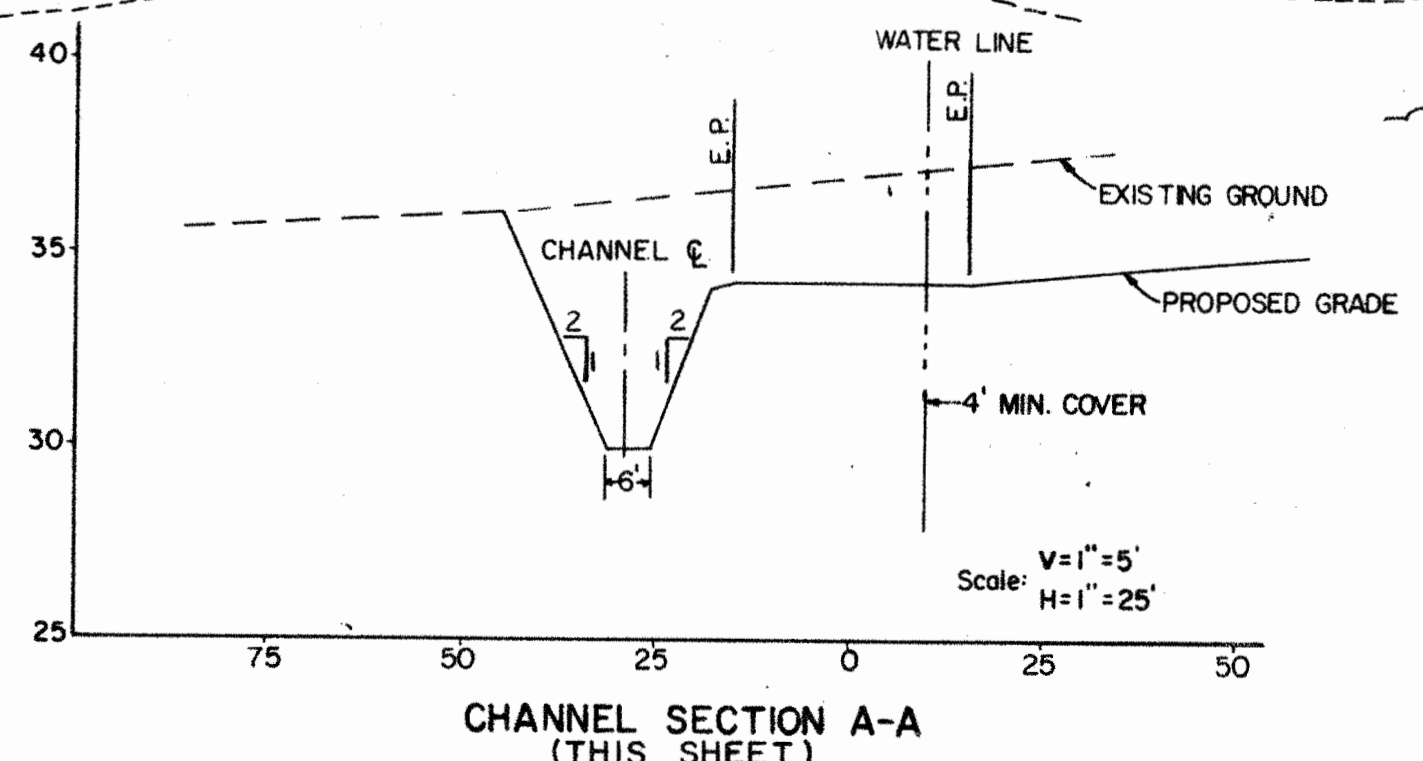
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Ebensburg, PA  
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**WESTERN TIDEWATER REGIONAL JAIL**  
Suffolk, Virginia

**SITE PLAN**

LD/HPE-2

- TBM #2
- R/R Spike in 15" Oak Tree Elevation = 47.25'
- TBM #6
- R/R Spike in Oak Tree Elevation = 47.77'

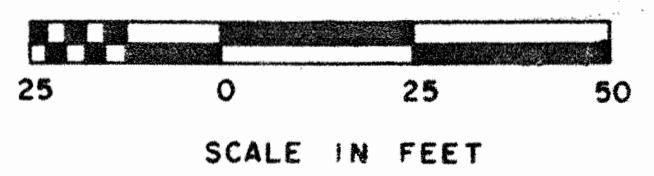


**STORM SEWER TABLE**

(9)	STA. 22+78.95, 16' RT. STD. VDOT DI-3C L=6' RIM ELEV. 32.67 INV. (W)=28.75	(11)	STA. 22+85.28' LT. STD. VDOT REC. ES-2 W/REC-1 INV. = 28.49
(10)	STA. 22+78.95, 16' LT. STD. VDOT DI-3C L=6' RIM ELEV. 32.67 INV. (E)=28.63 INV. (W)=28.53	(12)	ENDWALL INV. = 30.00

M&A ASSOCIATES  
(D.B. 195, Pg. 837)

REVISION	DATE	DESCRIPTION
6-28-92		AS BUILT REVISIONS
(1)	1-22-91	INDICATE TELEPHONE AND CABLE TV CONDUITS
(2)	1-22-91	INDICATE TELEPHONE AND CABLE TV MANHOLES (CITY)
(3)	9-10-92	AS BUILT AS OF 8-26-92



PROJ. NO. 89-013-399-60  
DATE: 9-24-90  
SCALE: 1"=25'

M&A ASSOCIATES  
DESIGNED BY: A.J.S.  
DRAWN BY: B.W.L.