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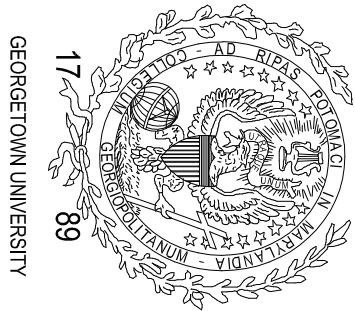
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Thu, Feb 22 2007 - 11:01:03am

West Perimeter Road

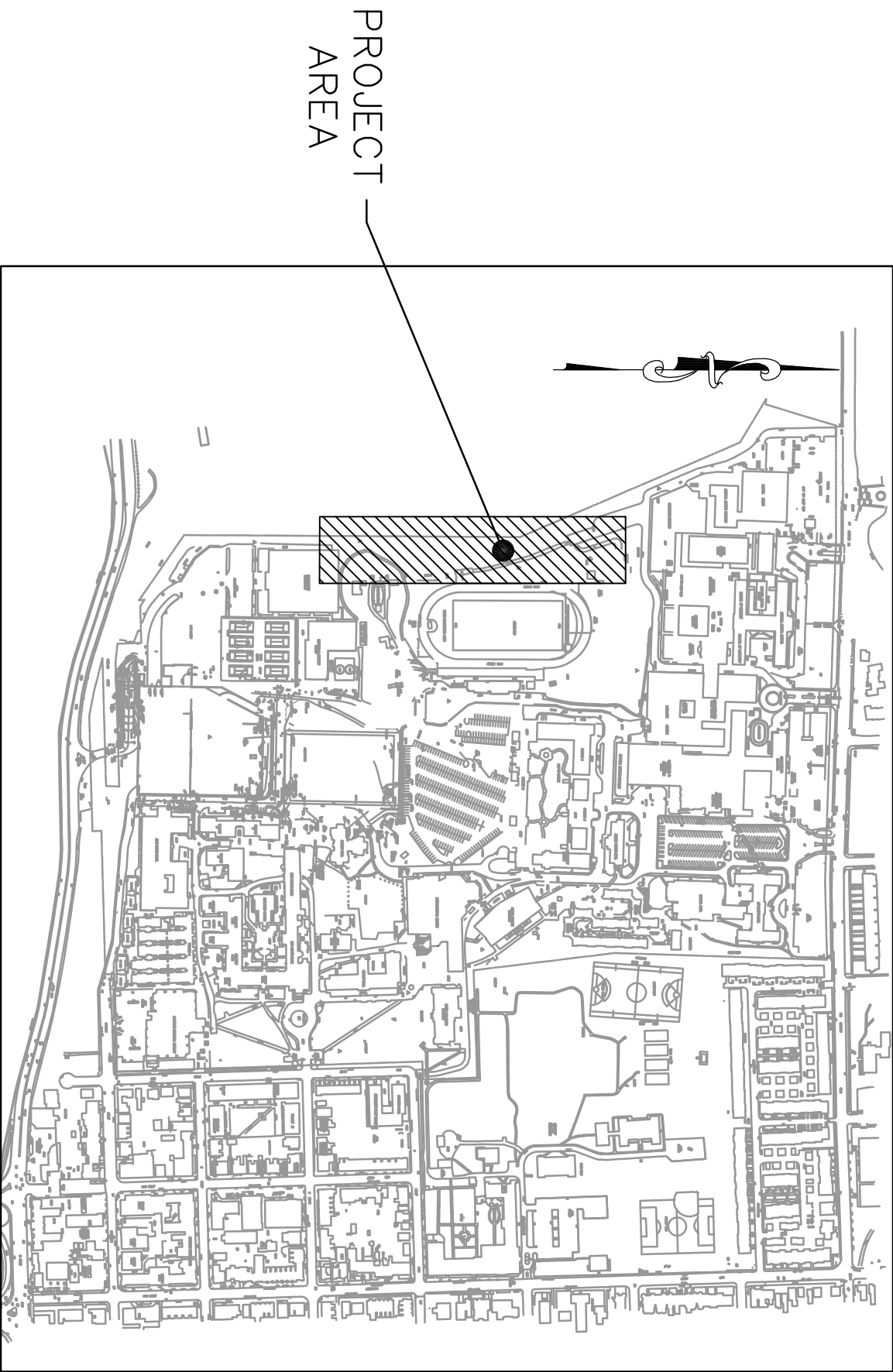
Georgetown University, Washington, D.C.

Permit Drawings

Client:
Georgetown University

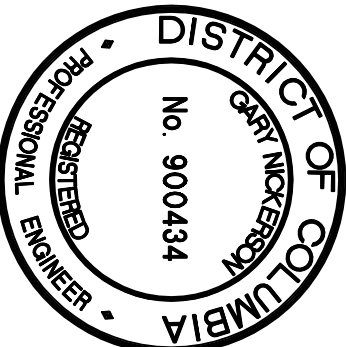


Area Plan



Dewberry & Davis LLC
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WEST PERIMETER ROAD
GEORGETOWN UNIVERSITY
WASHINGTON, DC



KEY PLAN

SCALE

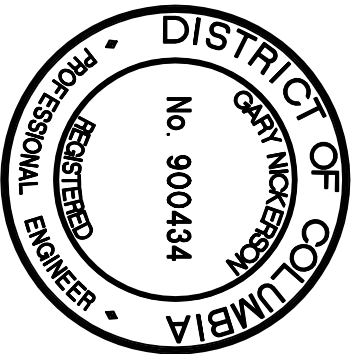
No.	DATE	BY	Description

REVISIONS	
DRAWN BY	A. SPRUCH
APPROVED BY	T. CULLETON
CHECKED BY	T. CULLETON
DATE	JANUARY 2007

COVER SHEET

PROJECT NO. 05136000

WEST PERIMETER ROAD
GEORGETOWN UNIVERSITY
WASHINGTON, DC



KEY PLAN

SCALE

No.	DATE
BY	Description

REVISIONS	
DRAWN BY	A. SPRUCH
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LEGEND,
ABBREVIATIONS,
& NOTES

PROJECT NO. 05136000

GENERAL NOTES

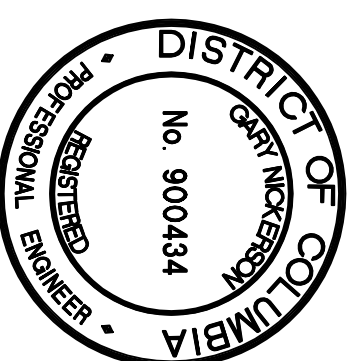
1. THE BASE MAPING WAS PROVIDED BY DEWBERRY. DATED FEBRUARY 28, 2005 AND FEBRUARY 15, 2006.
2. HORIZONTAL COORDINATES ARE BASED ON GEORGETOWN UNIVERSITY CONTROL, MARYLAND STATE GRID SYSTEM, NAD 83 / 91.
3. ELEVATIONS ARE BASED ON GEORGETOWN UNIVERSITY CONTROL, USGS 1929.
4. THE CONTRACTOR SHALL ESTABLISH THE GRADES, ELEVATIONS, LINES, LEVELS AND LOCATION OF ALL THE WORK, INCLUDING WORK PERFORMED BY SUBCONTRACTORS.
5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON IS BASED UPON THE SURVEY REFERENCED ABOVE AND AVAILABLE GEORGETOWN UNIVERSITY RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING THE WORK AND FOR DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT/ENGINEER AND TAKE THE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF THE SERVICE.
6. INFORMATION REGARDING EXISTING PIPING AND FACILITIES IS TAKEN FROM PREVIOUS CONSTRUCTION DRAWINGS AND SITE SURVEYS FROM UNIVERSITY RECORDS. ALL CONDITIONS, LOCATIONS, ELEVATIONS, AND MATERIAL OF EXISTING PIPING AND FACILITIES AFFECTING THE WORK SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE ORDERING OF MATERIALS AND CONSTRUCTION.
7. ALL INFORMATION AND NOTATIONS ON THE DRAWINGS APPLYING TO ONE AREA OR CONDITION APPLY TO OTHER SIMILAR AREAS OR CONDITIONS UNLESS OTHERWISE NOTED.
8. ALL DRAWINGS AND CONSTRUCTION NOTES ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ONE DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL AND MAINTAIN FOR THE DURATION OF THE PROJECT, TEMPORARY FENCING SO AS TO RESTRICT BOTH VEHICULAR AND PEDESTRIAN ACCESS TO THE AREAS OF THE NEW WORK AS SPECIFIED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL REQUIRED, INCLUDING MAINTENANCE OF TRAFFIC SIGNALS, TRAFFIC LIGHTS, TRAFFIC SIGNS, AND TRAFFIC PATROLS, OBSERVATORY DURING PERFORMANCE OF THE WORK, AND PROVIDING TRAFFIC BARRIERS TO PROTECT ALL OPEN EXCAVATION FROM TRAFFIC VEHICLES.
11. WHEN DURING THE COURSE OF CONSTRUCTION, ANY OBJECT OF AN UNUSUAL NATURE IS ENCOUNTERED, THE CONTRACTOR SHALL CEASE WORK IN THAT AREA AND IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT/ENGINEER.
12. A SMOOTH GRADE SHALL BE MAINTAINED FROM THE EDGE OF PAVEMENT OF EXISTING ROAD TO PROPOSED CURB AND GUTTER AND PROPOSED PAVEMENT TO PRECLUDE THE FORMING OF ANY DIPS OR HIPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF AND RECONSTRUCT EXISTING PAVEMENT AND/OR CURB AS DICTATED BY FIELD CONDITIONS TO PROVIDE POSITIVE DRAINAGE AT TIEN IN POINTS.
13. FOR ALL SITE GRADING, SMOOTH PARABOLIC TRANSITIONS SHALL BE MADE BETWEEN THE CHANGES IN SLOPE. PARABOLIC ROUNDING SHALL APPLY TO ALL CUT AND FILL SECTIONS.
14. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL EXCESS UNSUITABLE AND SUITABLE EXCAVATION MATERIALS OFF-SITE.
15. ALL AREAS DISTURBED BY THIS CONSTRUCTION WHICH ARE NOT PAVED OR BUILT UPON, SHALL BE ADEQUATELY STABILIZED TO CONTROL EROSION AND SEDIMENTATION. THE MINIMUM STABILIZATION SHALL CONSIST OF PERMANENT GRASS.
16. DO NOT SCALE DRAWINGS, USE INDICATED CALCULATED DIMENSIONS.

ABBREVIATIONS

A	AREA OR ARC	M	MECH.
AC	ACRE	MH	MANHOLE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	ML	MILE
ARCH	ARCHITECTURAL	MJ	MECHANICAL JOINT
ASPH	ASPHALT	MS	MEDIAN STRIP
B	BORING	MSL	MEAN SEA LEVEL
BC	BOTTOM OF CURB	N/F	NOW OR FORMERLY
BF	BASEMENT FLOOR	NFA	NET FLOOR AREA
BLDG	BUILDING	NIC	NOT IN CONTRACT
BM	BENCHMARK	NO.,#	NUMBER
BOV	BLOW OFF VALVE	NBL	NORTH BOUND LANE
BRL	BUILDING RESTRICTION LINE	OC	ON CENTER
BW	BOTTOM OF WALL	OD	OUTSIDE DIAMETER
C	COEFFICIENT OF RUNOFF	OH	OVERHANG
CATV	CABLE TELEVISION	P	PERMETER
CB	CATCH BASIN OR CHORD BEARING	PC	POINT OF CURVATURE
CC	CENTER TO CENTER	PCC	POINT OF COMPOUND CURVES
CFS (Q)	CUBIC FEET PER SECOND	PCBP	POINT OF CURVE EDGE OF PAVEMENT
CH	CHORD	PCR	PRESSURE CONDENSATE RETURN
CHWR	CHILLED WATER RETURN	PCTG	POINT OF CURVATURE TOP OF CURB
CHWS	CHILLED WATER SUPPLY	PG.	PAGE
CG	CURB AND GUTTER	PGL	POINT OF GRADE LINE
CP	CAST IRON PIPE	PL	POINT OF INTERSECTION
Q	CENTERLINE	PL	PROPERTY LINE
COMM	COMMUNICATIONS	PL	POINT OF INTERSECTION
CMP	CORRUGATED METAL PIPE	PRC	POINT OF REVERSE CURVATURE
CONC.	CONCRETE	PRELIM.	PRELIMINARY
CO	CLEAN OUT	PROP.	PROPOSED
CONT.	CONTINUATION	PT	POINT OF TANGENCY
CS	CONDENSATE RETURN	PVC	POINT OF VERTICAL CURVATURE
CT	CURB STOP	PVI	POINT OF VERTICAL INTERSECTION
d	DEPTH	PVM/T	PAVEMENT
DA	DRAINAGE AREA	PVT	POINT OF VERTICAL TANGENCY
DB	DEED BOOK	PW	POTABLE WATER
DET.	DETAIL	Q(C.F.S.)	VOLUMETRIC RATE OF RUNOFF
DI	DROP INLET	R	RADIUS
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
DM	DROP MANHOLE	RD.	ROAD
DR.	DRIVE	RET.	RETAINING
DRWG.	DRAWING	REV.	REVISION
D/W	DRIVE WAY	RR	RAILROAD
Δ	DELTA	RTE.	RIGHT OF WAY
E	RATE OF SUPER ELEVATION	R/W	RIGHT OF WAY
EC	IN FEET PER FOOT	SAN.	SANITARY
ESMT	EROSION CONTROL	SAT.	SATELLITE
EG	EASEMENT	SBL	SOUTH BOUND LANE
ELEV.	ELEVATION	SD	SIGHT DISTANCE
EOP	EDGE OF GUTTER	SECT.	SECTION
EP	EDGE OF PAVEMENT	SEW.	SEWER
ES	EDGE OF PAVEMENT	SF	SQUARE FEET
EW	END WALL	SP	SITE PLAN
EX.	EXISTING	SPEC.	SPECIFICATION
ELEC.	ELECTRICAL	STA.	STATION
EBL	EAST BOUND LANE	STD.	STANDARD
F	FIRE LINE	SVC.	SERVICE
FAR	FLOOR ARE RATIO	S/W	SIDE WALK
FC	FACE OF CURB	Sx	CROSS SLOPE
FF	FIRST FLOOR	T	TANGENT
FG	FINISHED GRADE	TB	TOP OF BANK
FH	FIRE HYDRANT	TC	TOP OF CURB
FP	FLOOD PLAN	TEL	TELEPHONE
FOY.	FOTER	TELCO	TELEPHONE SERVICE
FPS	FEET PER SECOND	TP	TEST PIT
G	GAS	TW	TOP OF WALL
GFA	GROSS FLOOR AREA	UD	UNDER DRAIN
Gr.	GRADE	UG	UNDERGROUND
GR	GUARD RAIL	UL	UPPER LEVEL
H	HANDICAPPED PARKING SPACE	UNO	UNLESS NOTED OTHERWISE
HGL	HYDRAULIC GRADE LINE	UP	UTILITY POLE
HP	HIGH POINT	V	VELOCITY
HR	HAND RAIL	VF	VERTICAL FOOT
HPS	HIGH PRESSURE STEAM	W/V	WATER MAIN
HT.	HEIGHT	W/W	WEST BOUND LANE
I	RAINFALL INTENSITY	WBL	WEST BOUND LANE
ID	INSIDE DIAMETER	X	
IN.	INCH	Y	
INV.	INVERT	YI	YARD INLET
IP	IRON PIPE	YR	YEAR
IPF	IRON PIPE FOUND	Z	SIDE SLOPES
IPS	IRON PIPE SET	Z	
JB	JUNCTION BOX		
K	SIGHT DISTANCE COEFFICIENT		
L	LENGTH		
LAT.	LATERAL		
LL	LOWER LEVEL		
LP	LOW POINT		
LS	LOADING SPACE		
LGG	LIMITS OF CLEARING & GRADING		

LEGEND

- EXISTING
- STORM MANHOLE
 - GRATE INLET
 - SIGN
 - STEAM MANHOLE
 - TELEPHONE MANHOLE
 - LIGHT POLE
 - LAMP POST
 - ELECTRIC MANHOLE
 - GROUND SHOT
 - SANITARY SEWER MANHOLE
 - CLEAN OUT
 - WATER VALVE
 - FIRE HYDRANT
 - WATERLINE
 - WATERLINE (PER AS-BUILT) *
 - POST
 - FENCE (CHAIN LINK)
 - BOLLARD
 - BENCHMARK
 - CHILLED WATER SUPPLY (PER AS-BUILT)*
 - CHILLED WATER RETURN (PER AS-BUILT)*
 - CHILLED WATER RETURN (PER AS-BUILT)*
 - UNDERGROUND CONDENSATE RETURN (PER AS-BUILT)*
 - UNDERGROUND CONDENSATE RETURN (PER AS-BUILT)*
 - UNDERGROUND HIGH PRESSURE STEAM (PER AS-BUILT)*
 - UNDERGROUND HIGH PRESSURE STEAM (PER AS-BUILT)*
 - UNDERGROUND GAS (PER AS-BUILT)*
 - UNDERGROUND GAS (PER AS-BUILT)*
 - UNDERGROUND ELECTRIC (PER AS-BUILT)*
 - UNDERGROUND ELECTRIC (PER AS-BUILT)*
 - ELECTRIC CONDUIT (PER AS-BUILT)*
 - ELECTRIC CONDUIT (PER AS-BUILT)*
 - UNDERGROUND COMMUNICATION LINE (PER AS-BUILT)*
 - UNDERGROUND COMMUNICATION LINE (PER AS-BUILT)*
 - UNDERGROUND TELEPHONE (PER AS-BUILT)*
 - UNDERGROUND TELEPHONE (PER AS-BUILT)*
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - PER PLAN
 - PHONE BOOTH
 - TERRA COTTA
 - STORM DRAIN
 - SANITARY SEWER
 - TRAVERSE
 - WROUGHT IRON FENCE
 - CABLE TV BOX
- PROPOSED
- EDGE OF PAVEMENT
 - CURB AND GUTTER
 - 8" POTABLE WATER
 - 12" CHILLED WATER SUPPLY & RETURN
 - 12" HIGH PRESSURE STEAM DISTRIBUTION
 - 6" PRESSURE CONDENSATE RETURN
 - 30" CHILLED WATER SUPPLY & RETURN
 - STORM SEWER
 - SANITARY SEWER
 - STORM MANHOLE
 - GRATE INLET
 - POWER DUCTBANK
 - COMMUNICATIONS DUCTBANK
 - 8" GATE VALVE
 - HYDRANT
 - 8" CAP
 - HANDICAP RAMP
 - RETAINING WALL
 - SIGN
 - FUTURE BUILDING FOOTPRINT
 - TIMBER GUARD RAIL
 - WATER QUALITY INLET



KEY PLAN

SCALE

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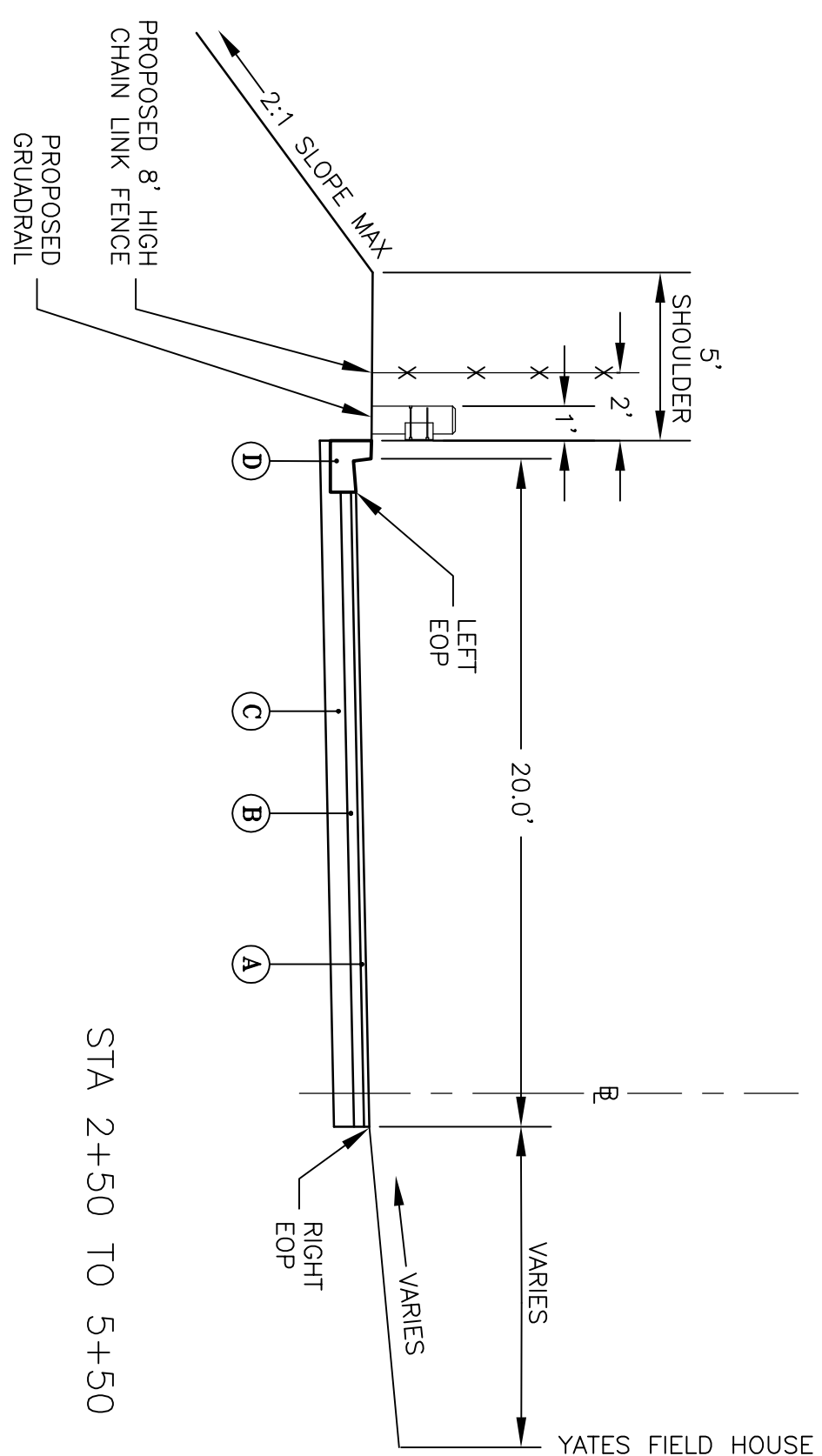
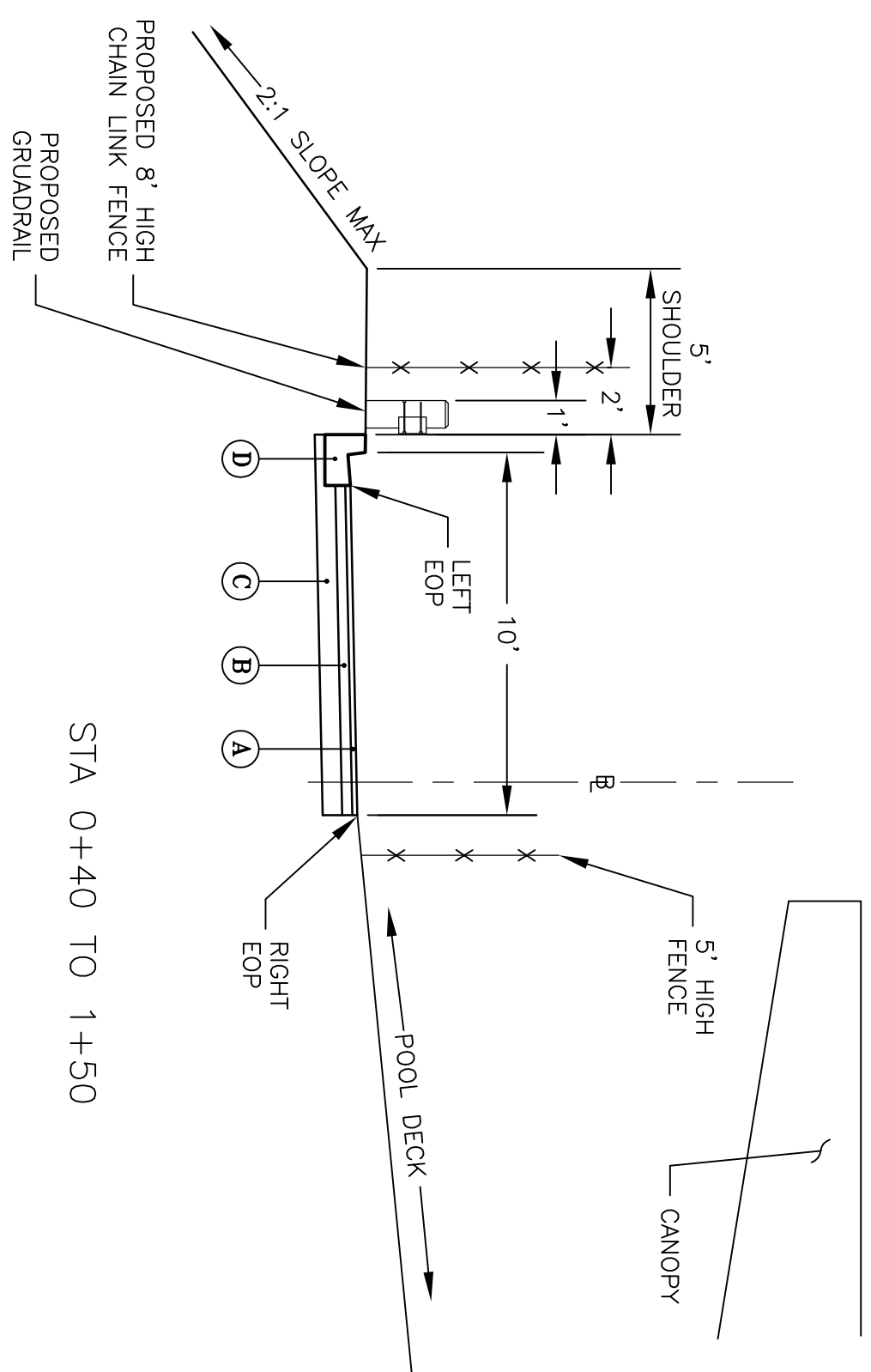
DRAWN BY	A. SPRUCH
APPROVED BY	T. CULLETON
CHECKED BY	T. CULLETON
DATE	JANUARY 2007
TITLE	

CONSTRUCTION

PROJECT NO. 0513600C

SHEET NO

3 OF 18

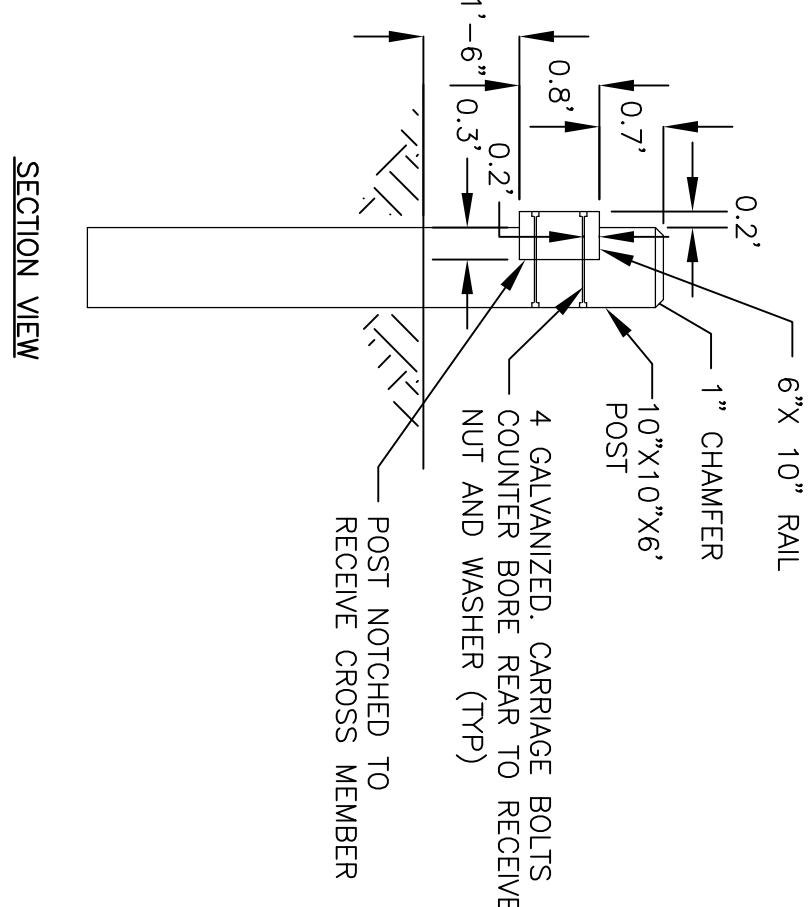


TYPICAL SECTION - WEST PERIMETER ROAD

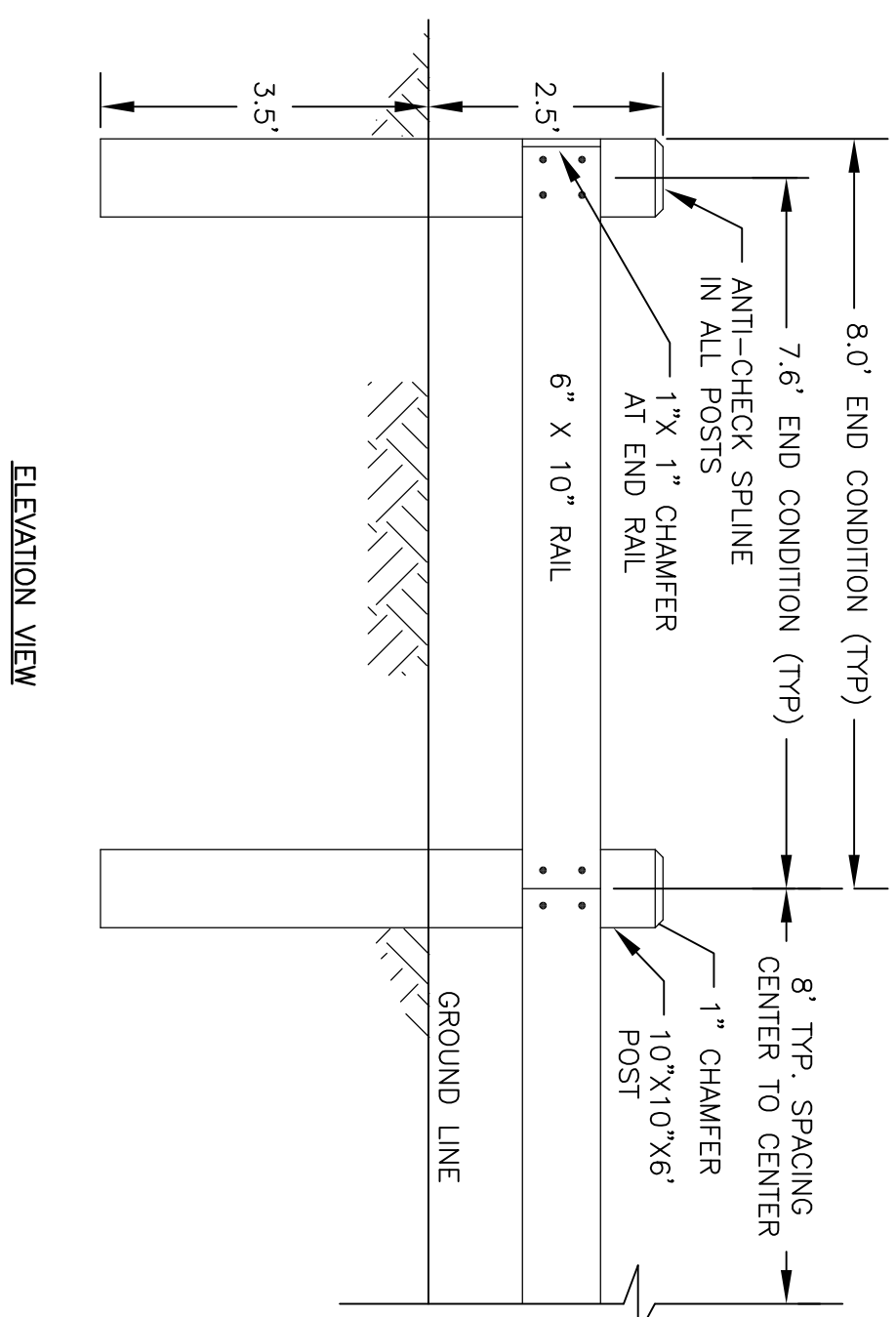
SCALE 1" = 5'

KEYS :

- (A) 1.5" ASPHALTIC CONCRETE SURFACE COURSE
- (B) 4" ASPHALTIC CONCRETE BASE COURSE
- (C) 8.5" UNTREATED AGGREGATE SUBBASE (CR-6)
- (D) 6" COMBINATION CURB AND GUTTER

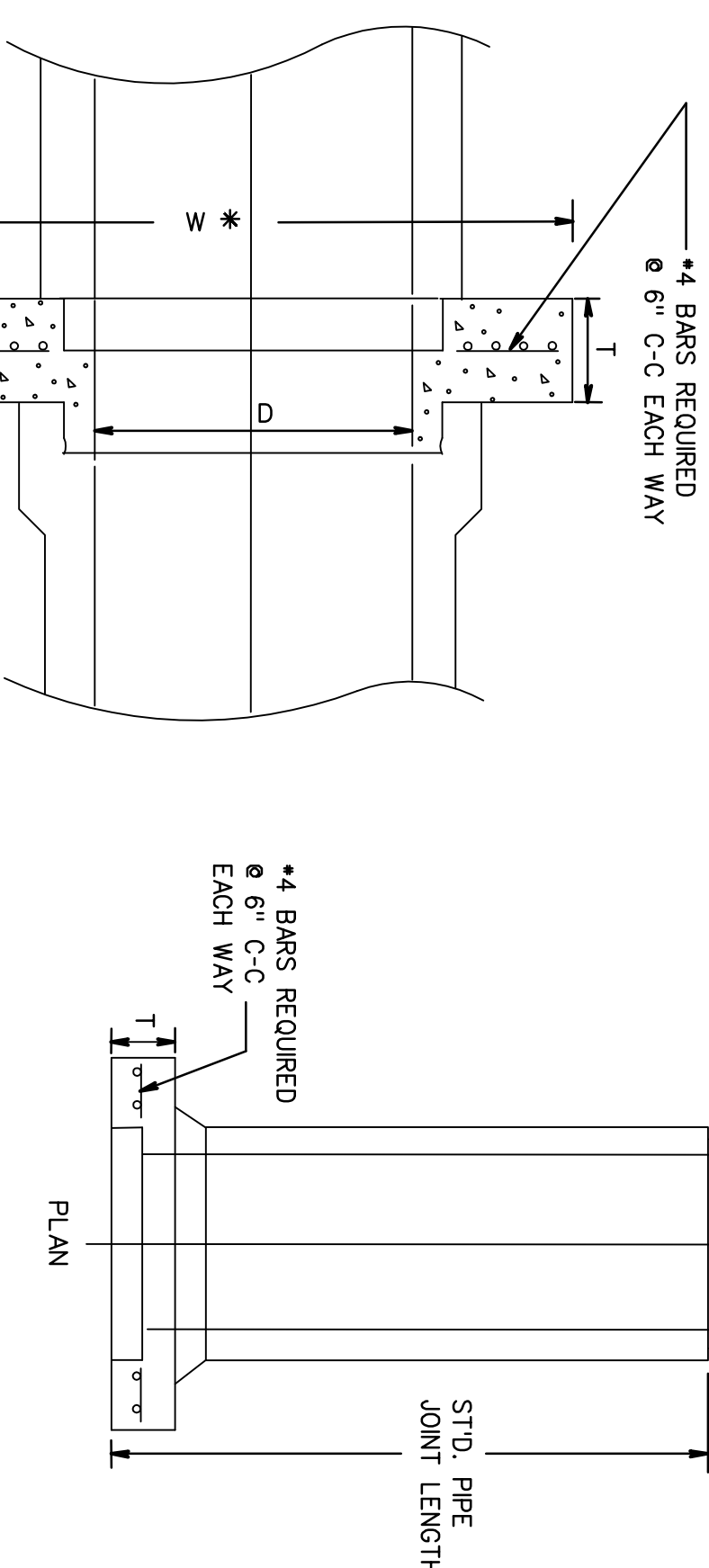
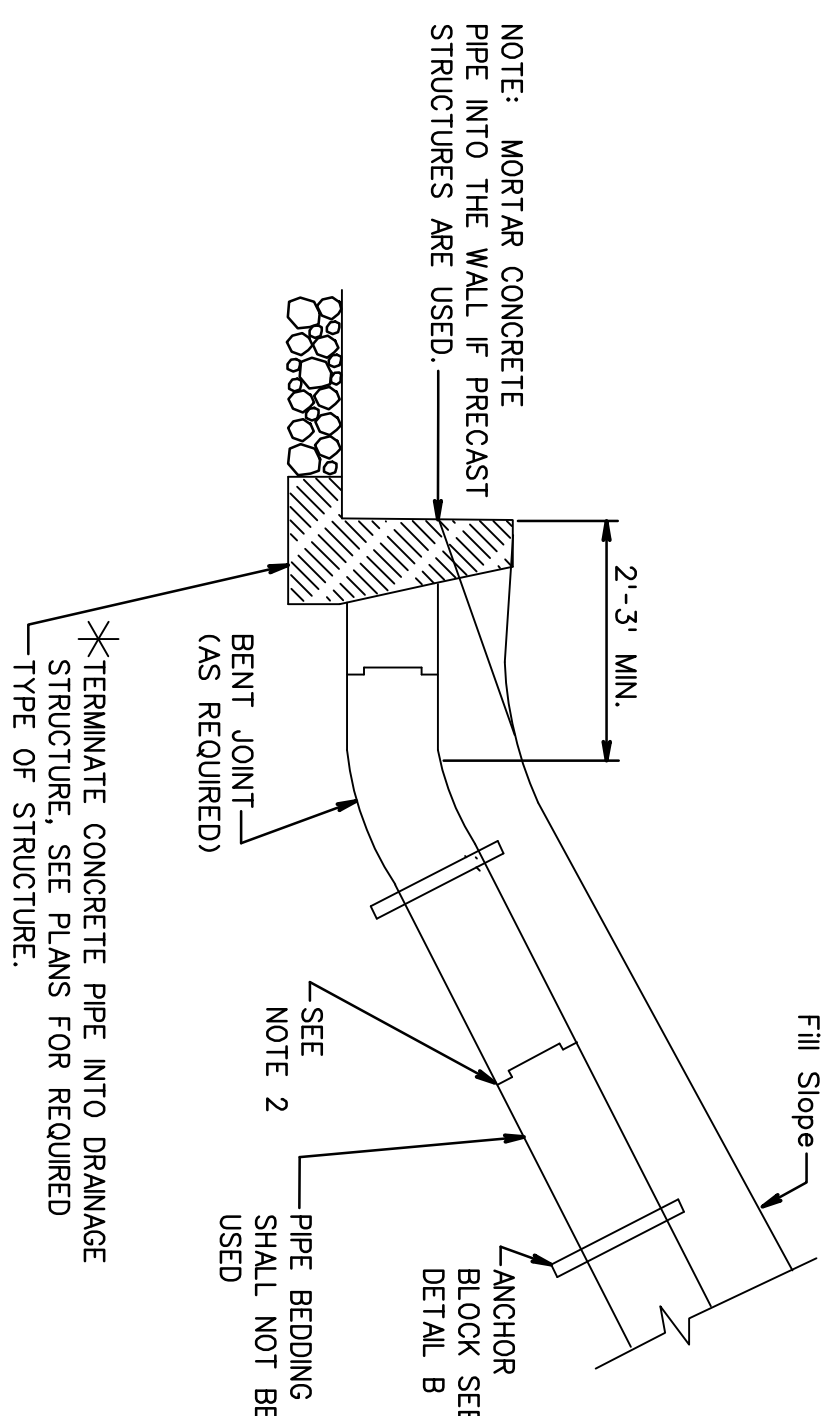


SECTION VIEW



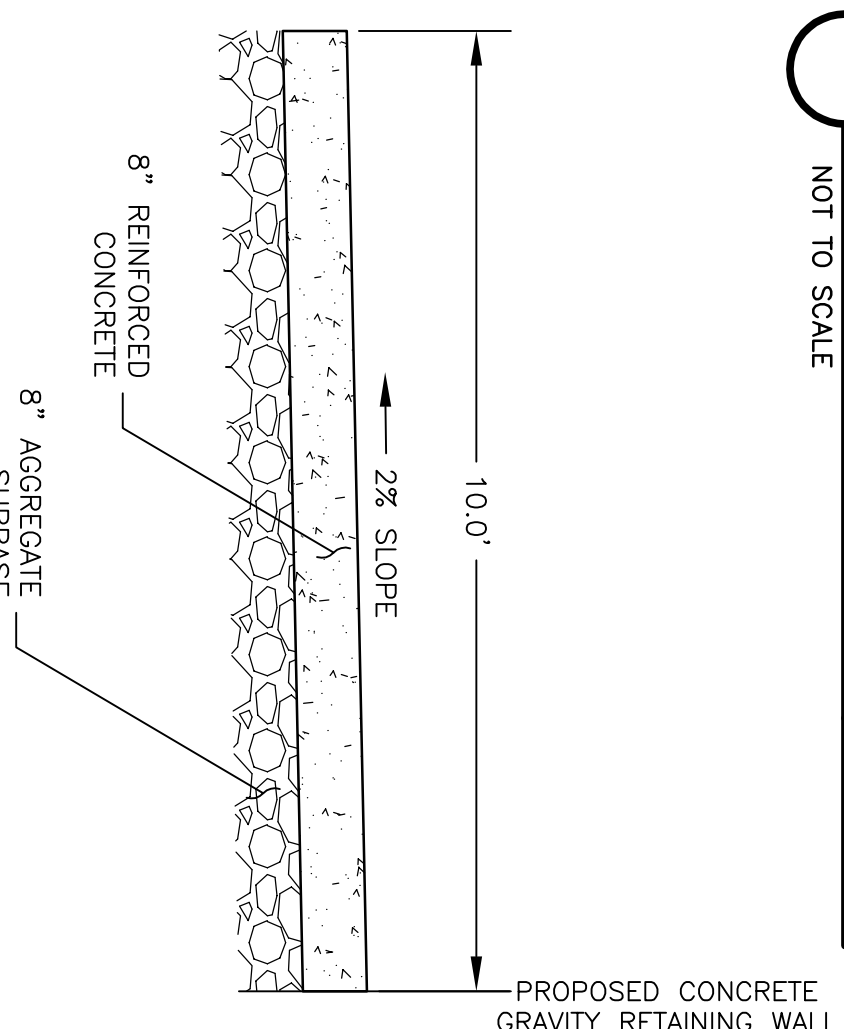
GUARDRAIL DETAIL

SCALE 1" = 2'



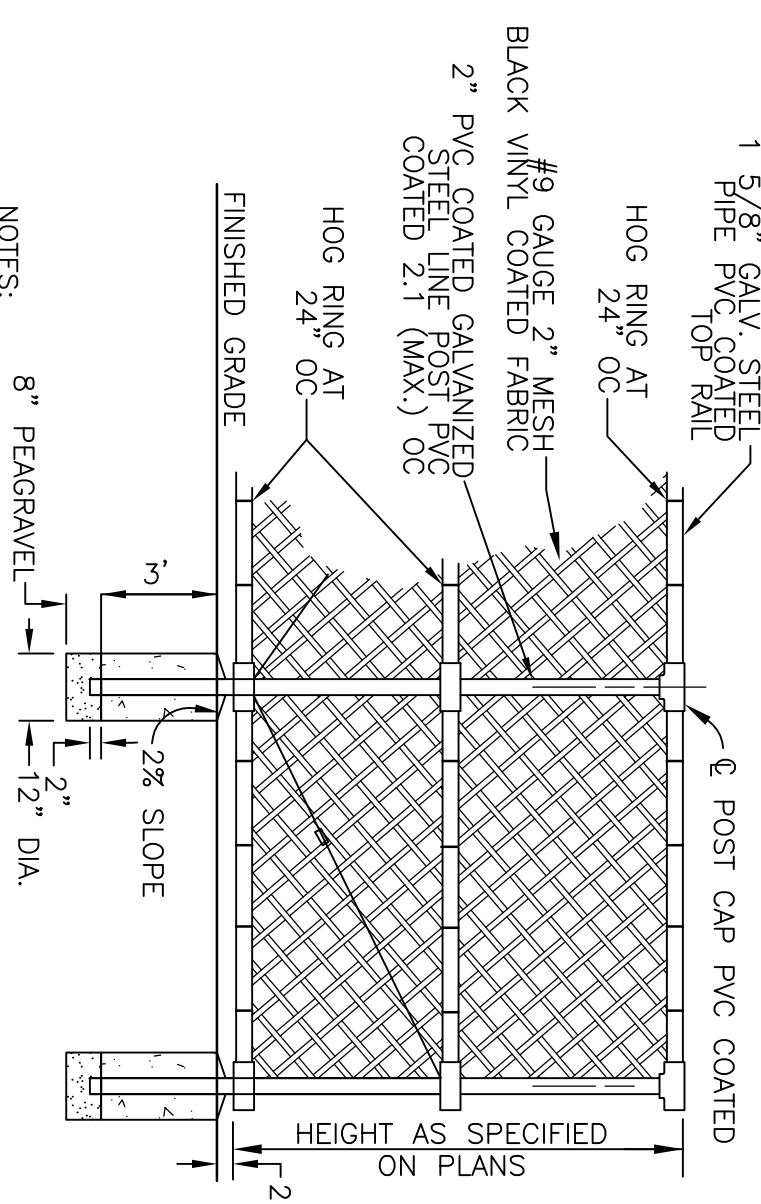
CONCRETE SLAB DETAIL

SCALE 1" = 2'



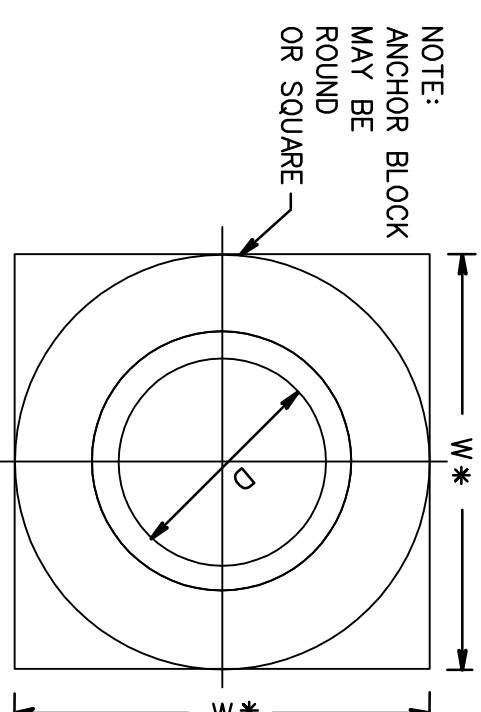
CHAIN LINK FENCE DETAIL

NOT TO SCALE



NOTES

1. TERMINAL POST SHALL BE 3".
2. ALL POSTS SHALL BE SET PLUMB.
3. FABRIC SHALL HAVE KNUCKLED SELVAGE TOP & BOTTOM



END VIEW

TYPICAL ANCHOR BLOCK
CAST INTEGRAL WITH PIPE

DETAIL B



KEY PLAN

SEAR

SCALE

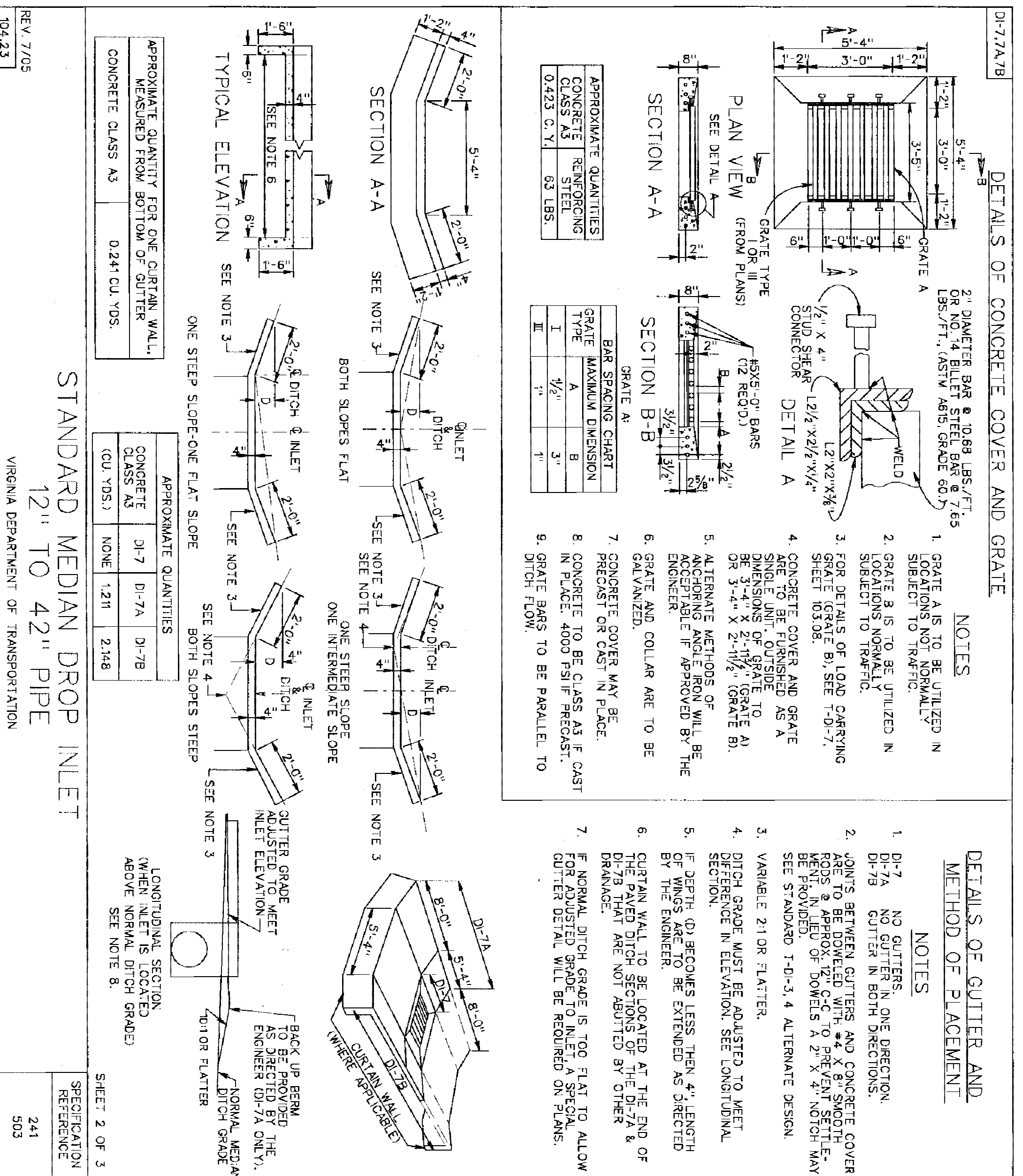
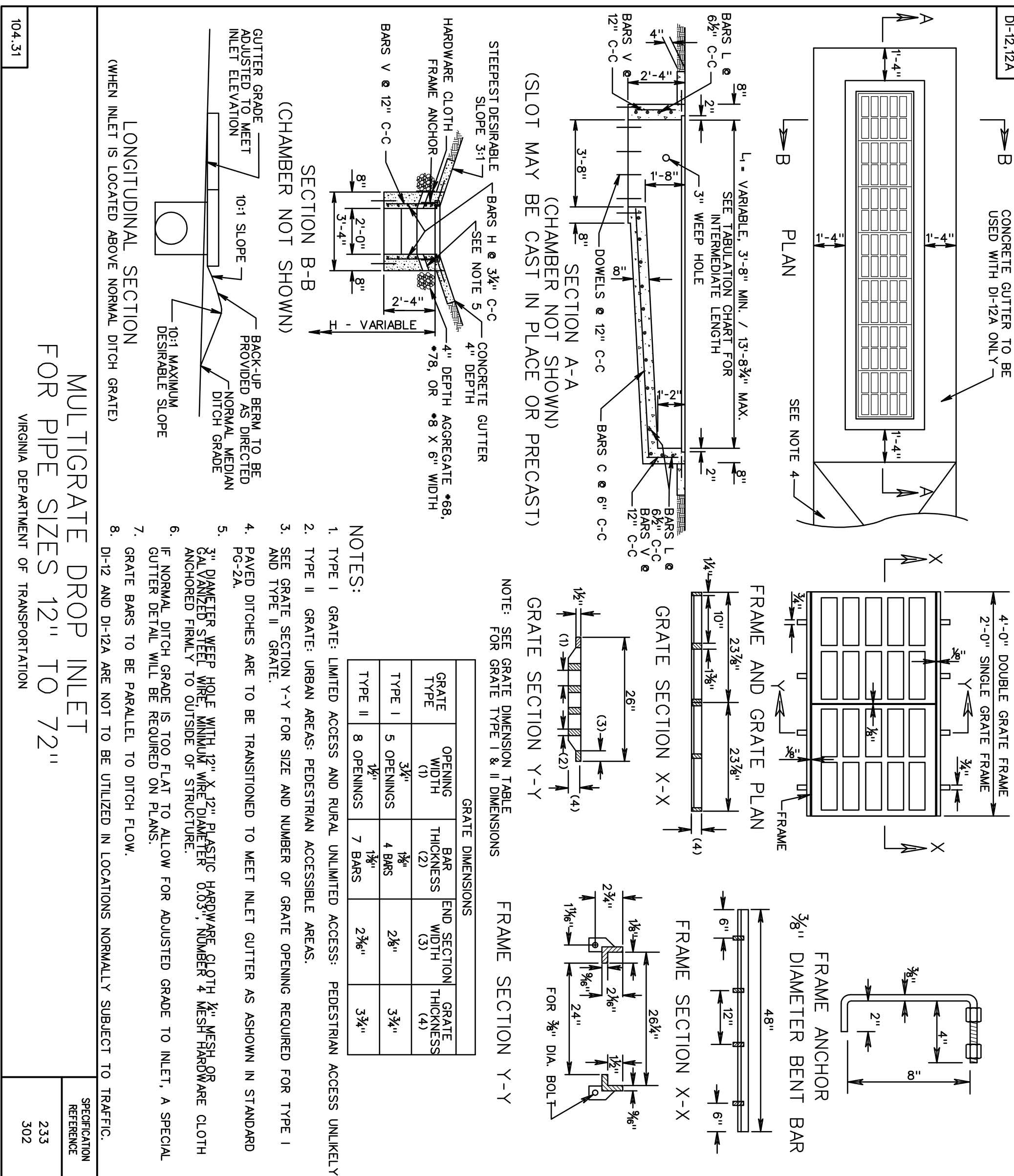
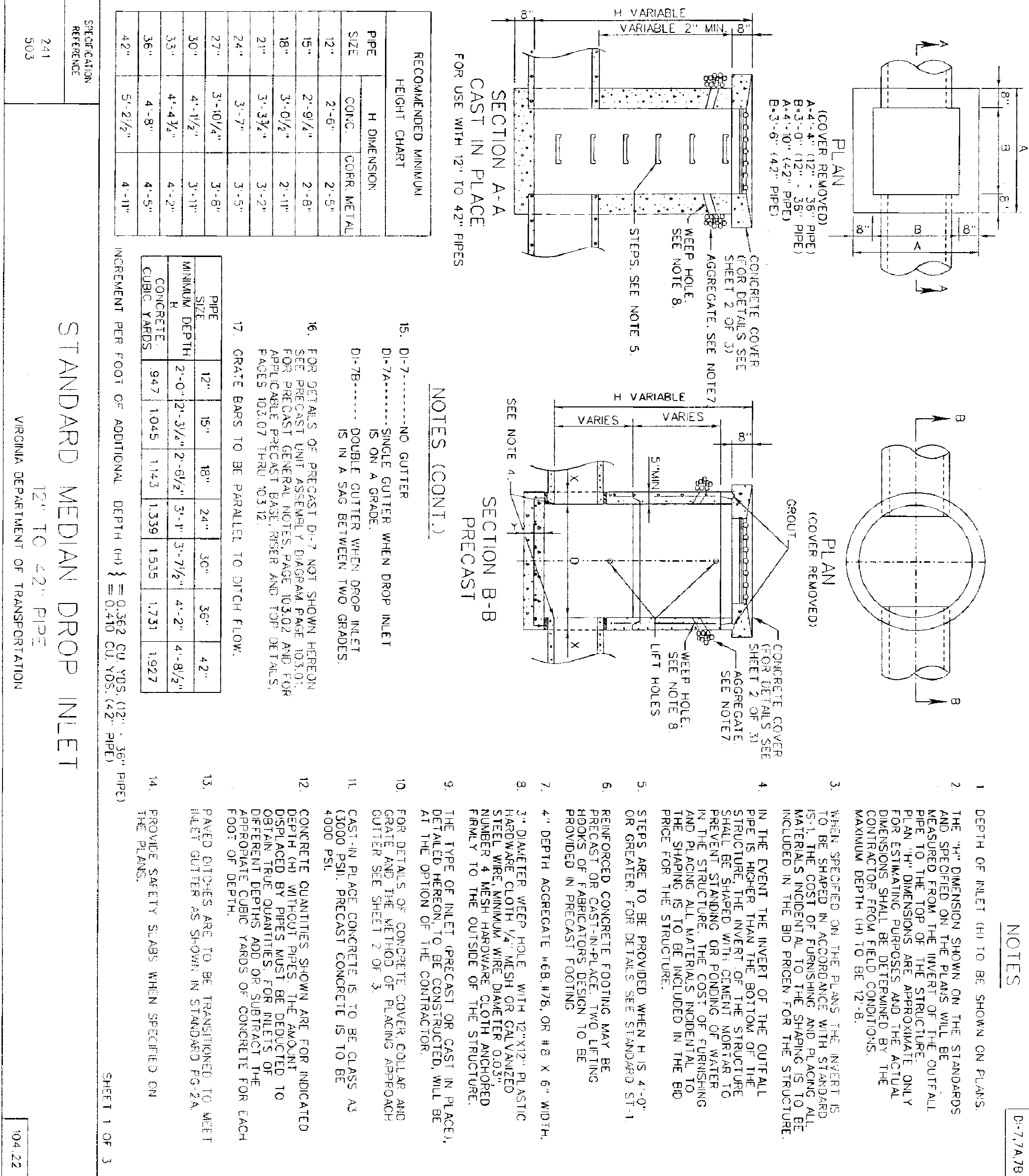
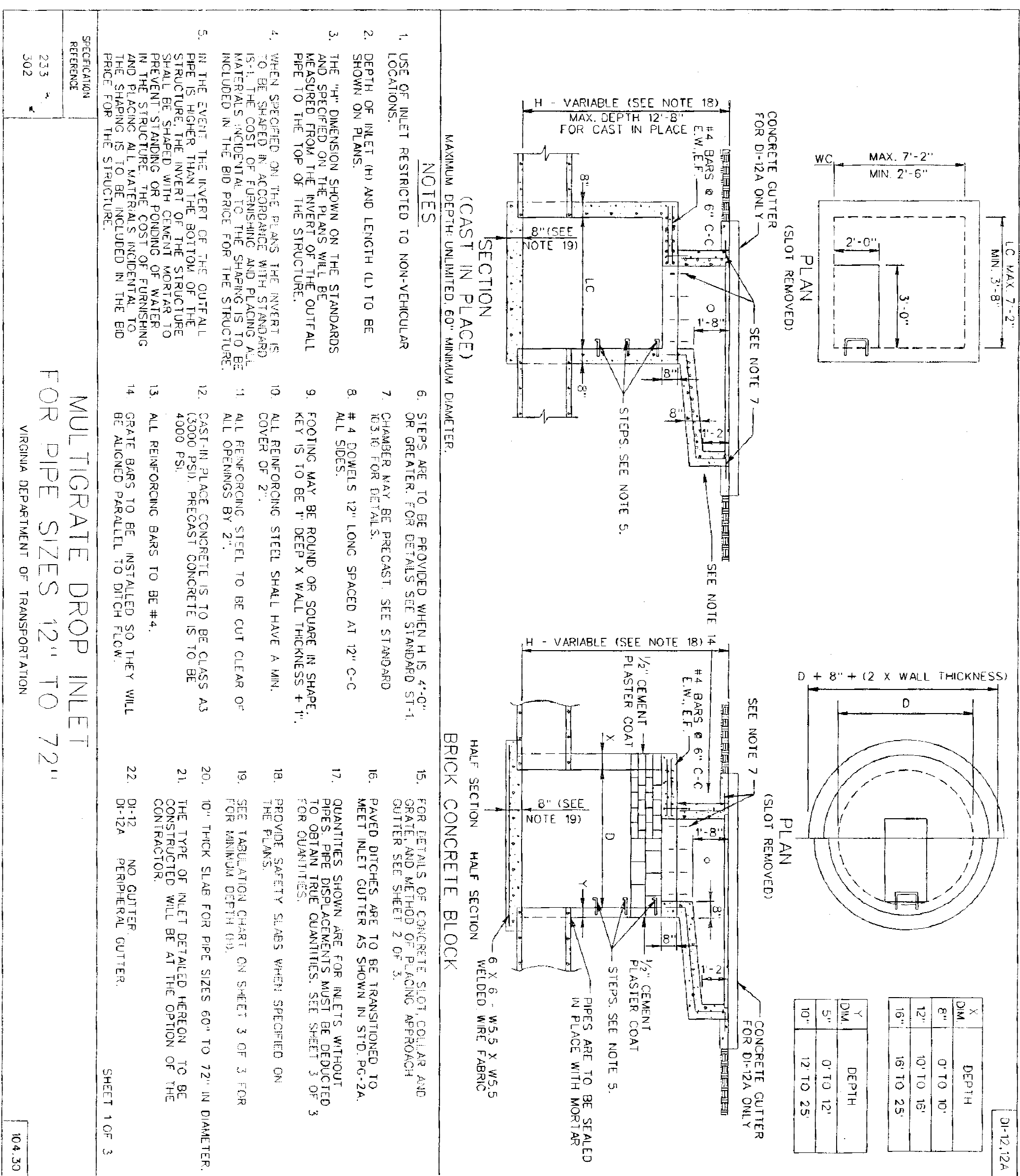
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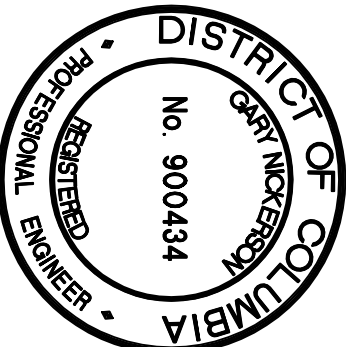
PROJECT NO. 05136000

SHEET NO

3A OF 18



WEST PERIMETER ROAD
GEORGETOWN UNIVERSITY
WASHINGTON, DC



KEY PLAN

SCALE

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APPROVED BY	A. SPRUCH
CHECKED BY	T. CULLETON
DATE	JANUARY 2007

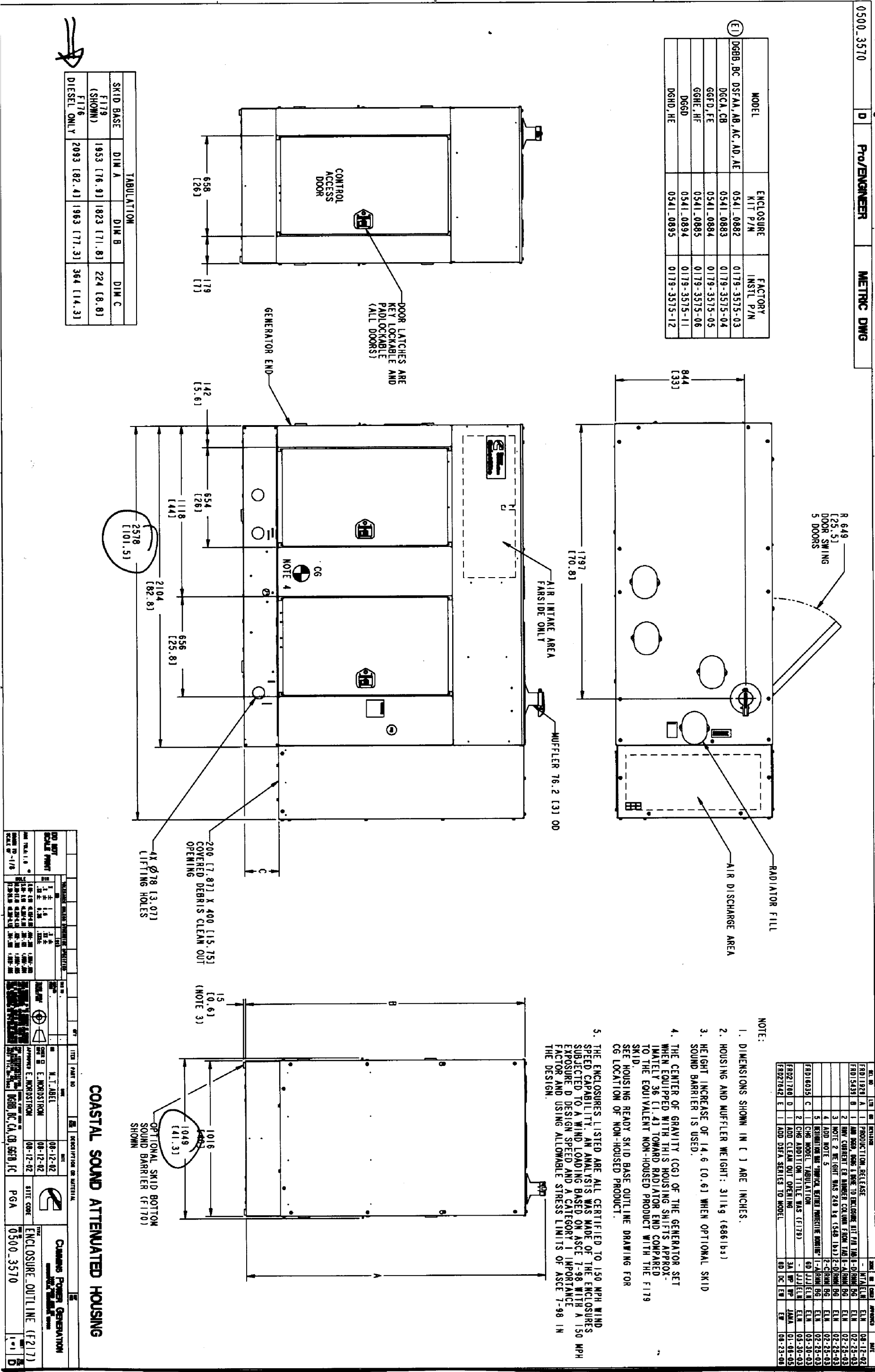
CONSTRUCTION DETAILS

PROJECT NO. 05136000

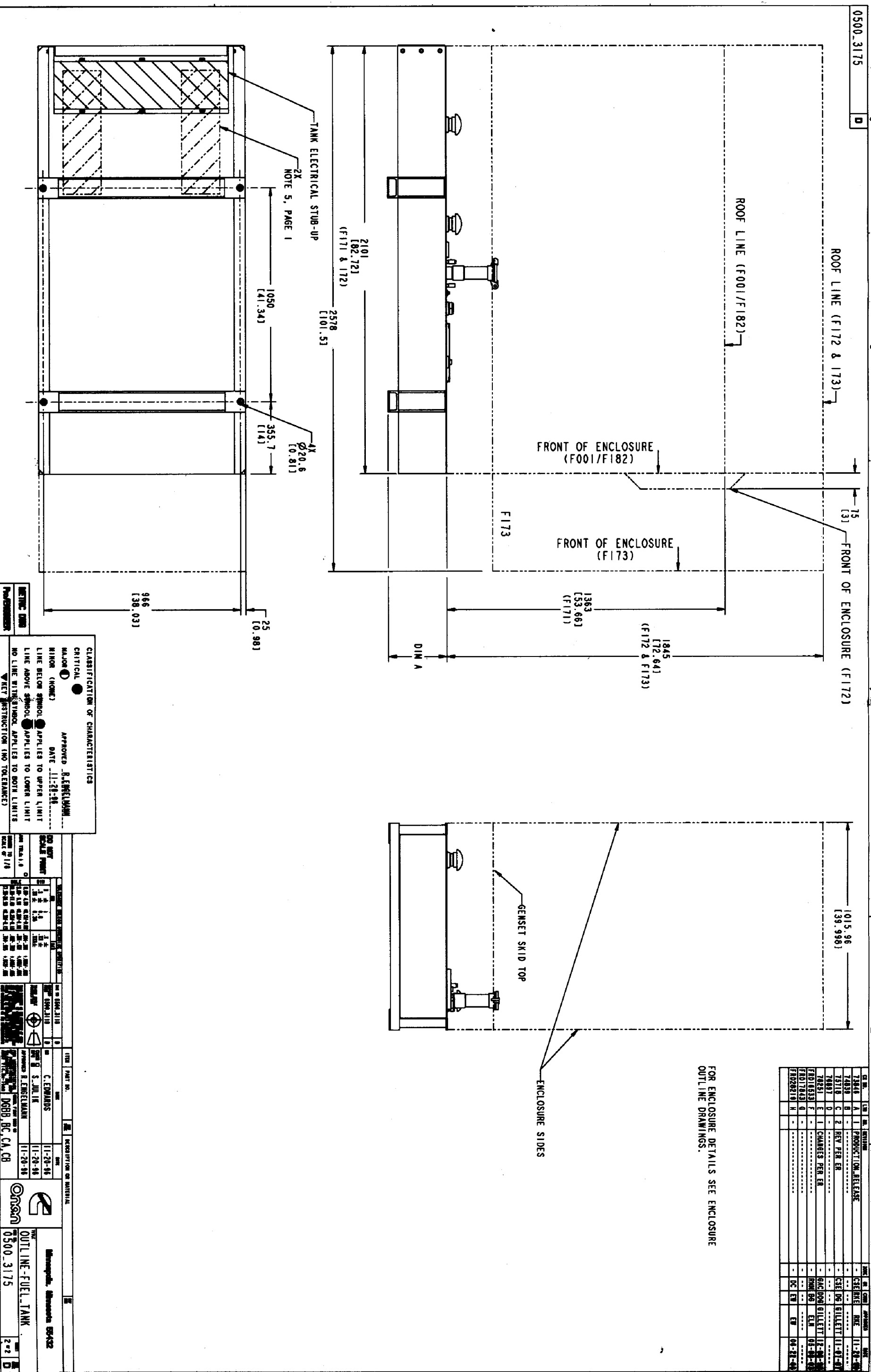
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SHEET NO.

3B OF 18



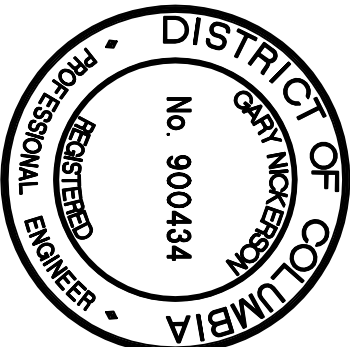
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1	GENERATOR	1	EA	10000	10000
2	FUEL TANK	1	EA	5000	5000
3	CONTROL PANEL	1	EA	2000	2000
4	EXHAUST SYSTEM	1	EA	1500	1500
5	FOUNDATION	1	EA	1000	1000
6	WALLS	1	EA	500	500
7	DOORS	1	EA	200	200
8	WINDOWS	1	EA	100	100
9	ROOFING	1	EA	50	50
10	PAINT	1	EA	20	20
11	LABOR	1	EA	10	10
12	PERMITS	1	EA	5	5
13	INSURANCE	1	EA	2	2
14	TRAVEL	1	EA	1	1
15	TOOLS	1	EA	1	1
16	WATER	1	EA	1	1
17	FOOD	1	EA	1	1
18	SHOWER	1	EA	1	1
19	TOILET	1	EA	1	1
20	STORAGE	1	EA	1	1
21	WORKSHOP	1	EA	1	1
22	OFFICE	1	EA	1	1
23	RESTROOM	1	EA	1	1
24	SHOWERS	1	EA	1	1
25	LOCKER	1	EA	1	1
26	CHANGE	1	EA	1	1
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99	LOCKER	1	EA	1	1
100	CHANGE	1	EA	1	1



ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1	GENERATOR	1	EA	10000	10000
2	FUEL TANK	1	EA	5000	5000
3	CONTROL PANEL	1	EA	2000	2000
4	EXHAUST SYSTEM	1	EA	1500	1500
5	FOUNDATION	1	EA	1000	1000
6	WALLS	1	EA	500	500
7	DOORS	1	EA	200	200
8	WINDOWS	1	EA	100	100
9	ROOFING	1	EA	50	50
10	PAINT	1	EA	20	20
11	LABOR	1	EA	10	10
12	PERMITS	1	EA	5	5
13	INSURANCE	1	EA	2	2
14	TRAVEL	1	EA	1	1
15	TOOLS	1	EA	1	1
16	WATER	1	EA	1	1
17	FOOD	1	EA	1	1
18	SHOWER	1	EA	1	1
19	TOILET	1	EA	1	1
20	STORAGE	1	EA	1	1
21	WORKSHOP	1	EA	1	1
22	OFFICE	1	EA	1	1
23	RESTROOM	1	EA	1	1
24	SHOWERS	1	EA	1	1
25	LOCKER	1	EA	1	1
26	CHANGE	1	EA	1	1
27	LOCKER	1	EA	1	1
28	CHANGE	1	EA	1	1
29	LOCKER	1	EA	1	1
30	CHANGE	1	EA	1	1
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97	LOCKER	1	EA	1	1
98	CHANGE	1	EA	1	1
99	LOCKER	1	EA	1	1
100	CHANGE	1	EA	1	1

GENERATOR PAD DETAILS

NOT TO SCALE



KEY PLAN

SCALE

No.	DATE	BY	Description

REVISIONS	
DRAWN BY	A. SPRUCH
APPROVED BY	T. CULLETON
CHECKED BY	T. CULLETON
DATE	JANUARY 2007

CONSTRUCTION DETAILS

PROJECT NO. 05136000

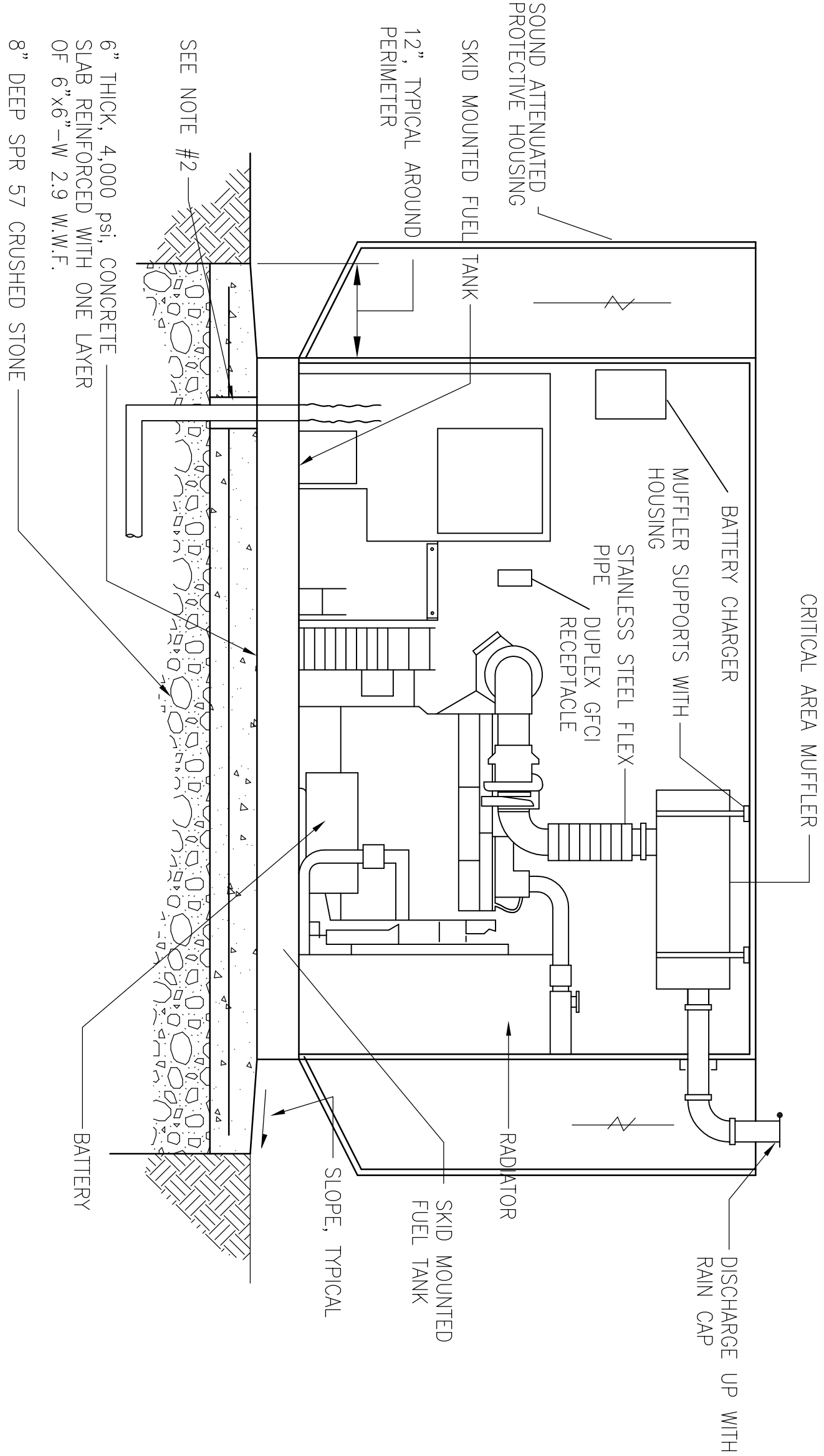
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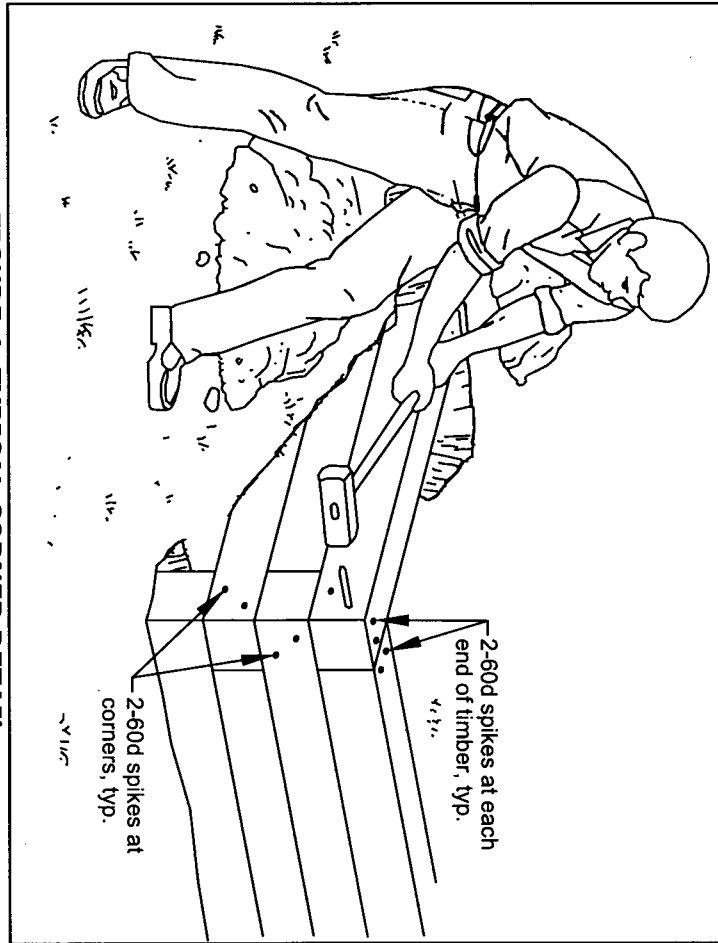
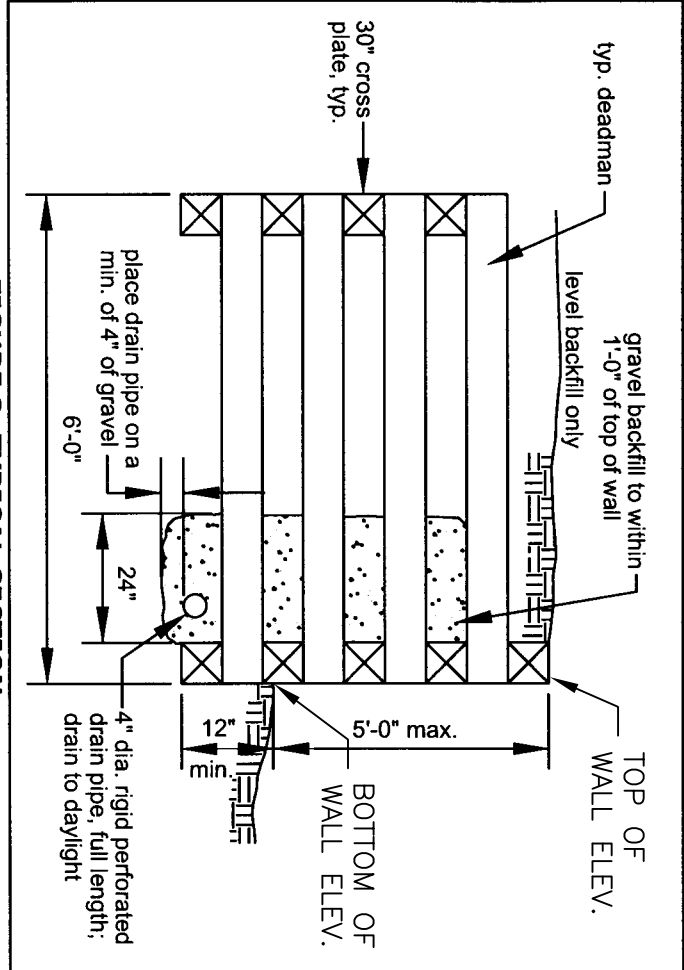
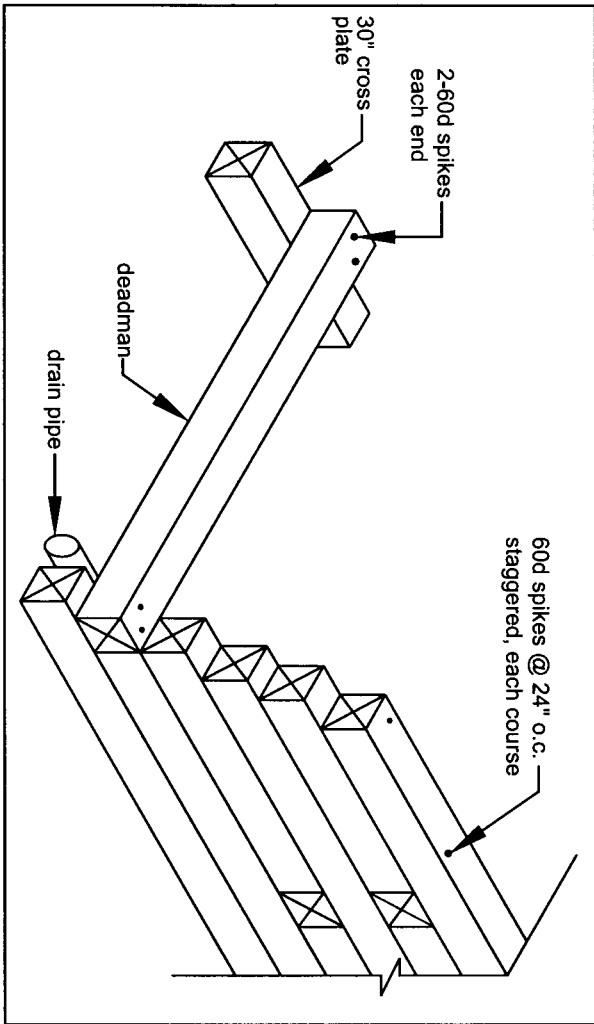
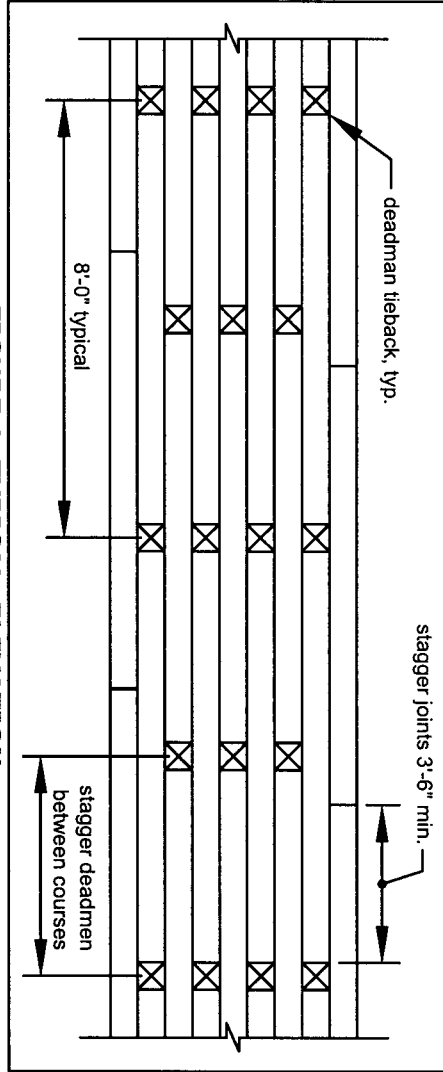
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STANDBY GENERATOR NOTES:

1. SET GENERATOR ON SPRING VIBRATION ISOLATORS, AND SECURE SET WITH "J" ANCHOR BOLTS WITH LOOSE JAMB NUTS AS RECOMMENDED BY GENERATOR MANUFACTURER. SEE DETAIL, THIS SHEET.
2. SET SLEEVES IN CONCRETE SLAB FOR ALL CONDUIT PENETRATIONS, CAULK CONDUITS IN SLEEVES WITH SILICON RUBBER CAULKING.
3. USE LIQUID TIGHT FLEXIBLE CONDUIT RUNOUTS ON RACEWAYS INSIDE HOUSING.
4. PROVIDE DISCONNECT FOR BATTERY CHARGER AND WATER JACKET HEATER.
5. SEE PANEL SCHEDULE FOR RECEPTACLE AND BATTERY CHARGER CIRCUITS.

STANDBY GENERATOR DETAIL
NOT TO SCALE



GENERAL NOTES:

1. ALL LUMBER SHALL BE 6x6, PRESSURE TREATED IN ACCORDANCE WITH AMERICAN WOOD-PRESERVERS' ASSOCIATION STANDARDS FOR GROUND CONTACT, SOUTHERN PINE, GRADE #2 OR BETTER.
2. ALL SPIKES SHALL BE 60d OR EQUIVALENT, HOT-DIPPED GALVANIZED OR STAINLESS STEEL, AND DRIVEN INTO PRE-DRILLED HOLES. SPIKES SHALL BE OF SUFFICIENT LENGTH TO PENETRATE THE BASE NUMBER A MINIMUM OF 2\".
3. MEMBER JOINTS SHALL BE STAGGERED A MINIMUM OF 3'-6\" FROM JOINTS OF THE COURSE ABOVE AND BELOW. JOINTS SHALL BE SECURED AT EACH END WITH 2-60d SPIKES, DRIVEN VERTICALLY INTO THE MEMBER BELOW. CORNERS SHALL BE SECURED WITH 2-60d SPIKES, DRIVEN HORIZONTALLY AS SHOWN IN FIGURE 4.

TIMBER RETAINING WALL
NOT TO SCALE



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WASHINGTON, DC



KEY PLAN

SCALE

[illegible]

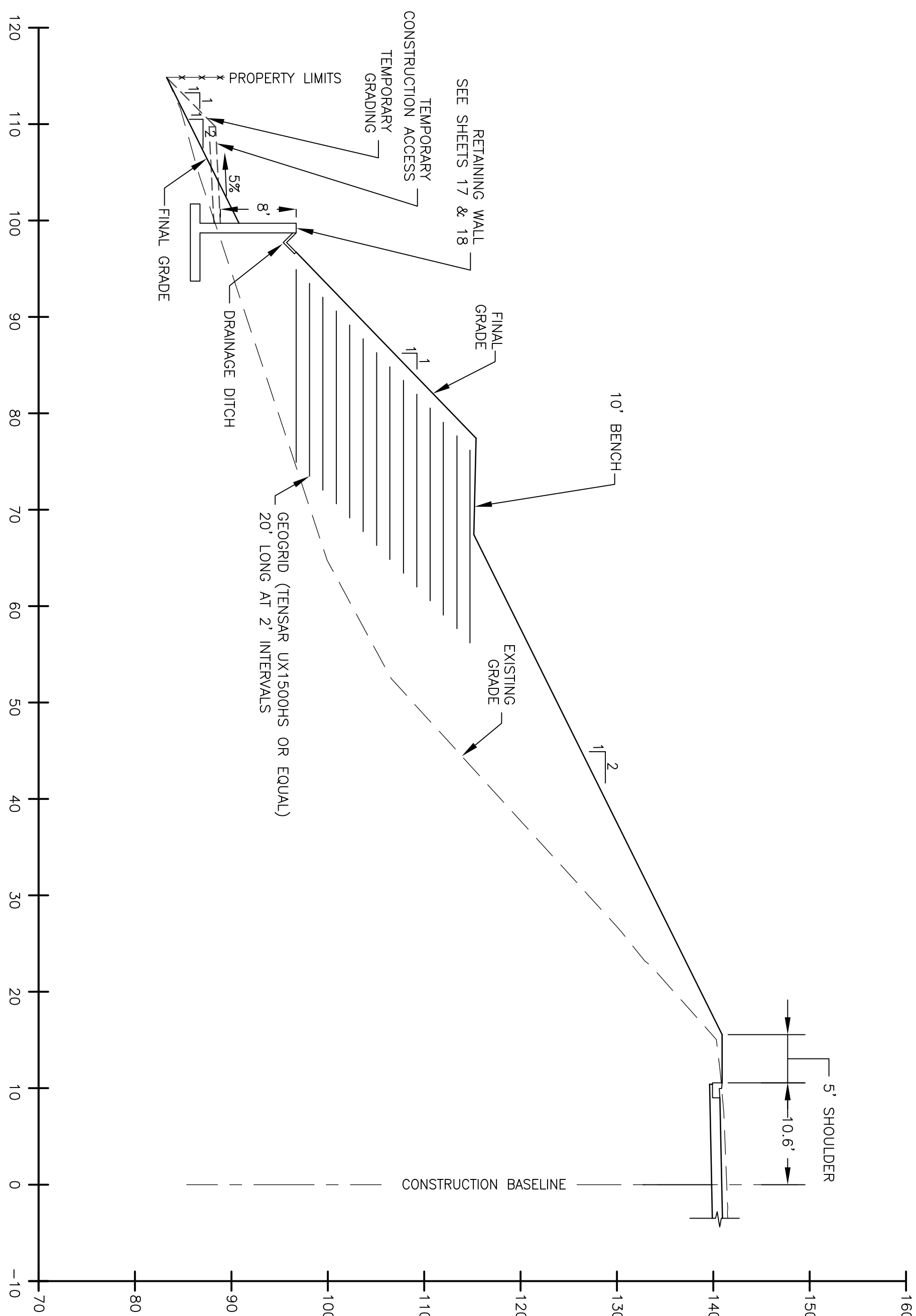
DRAWN BY	A. SPRUCH
APPROVED BY	T. CULLETON
CHECKED BY	T. CULLETON
DATE	JANUARY 200
TITLE	

TYPICAL SECTIONS

PROJECT NO. 0513600C

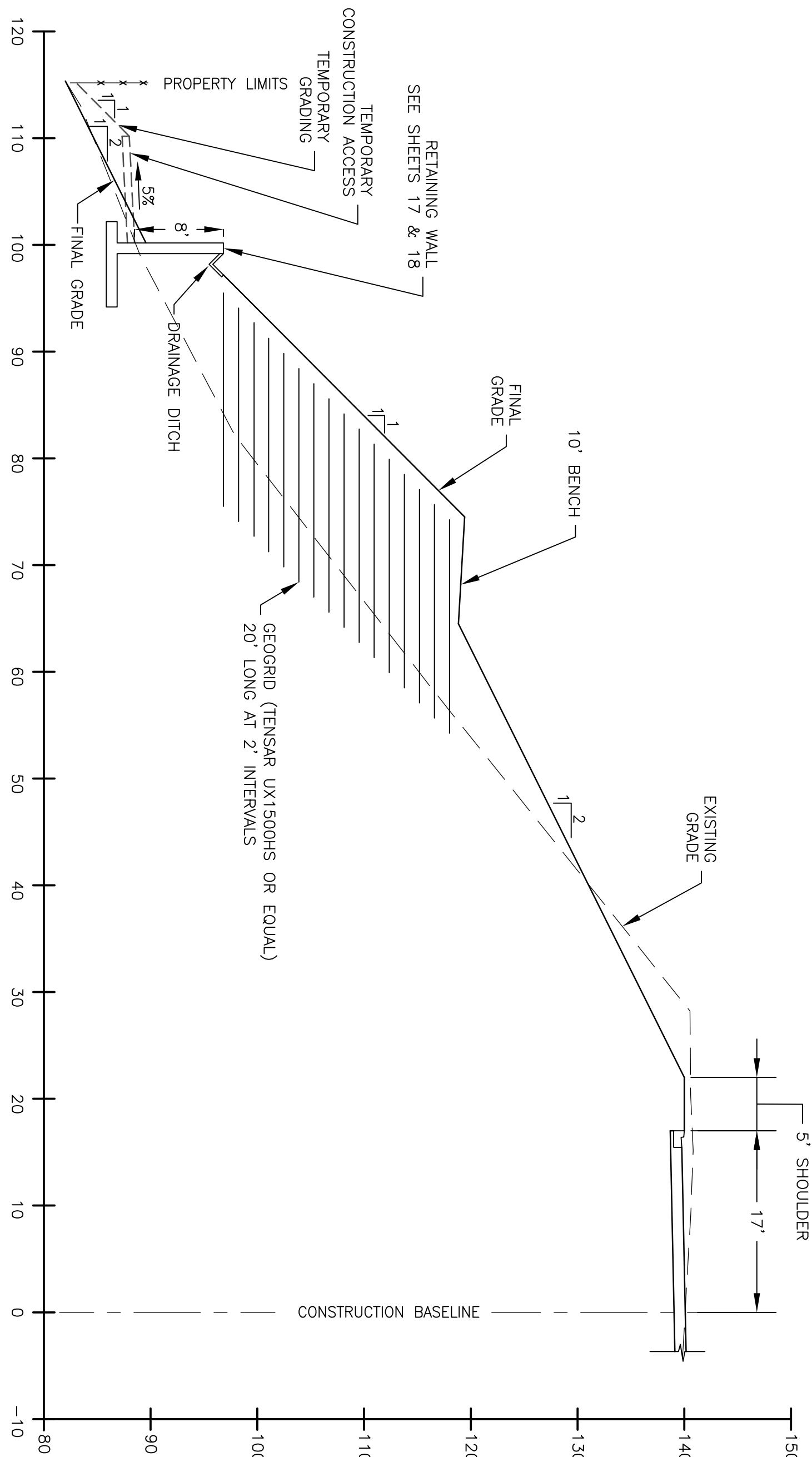
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4 OF 18



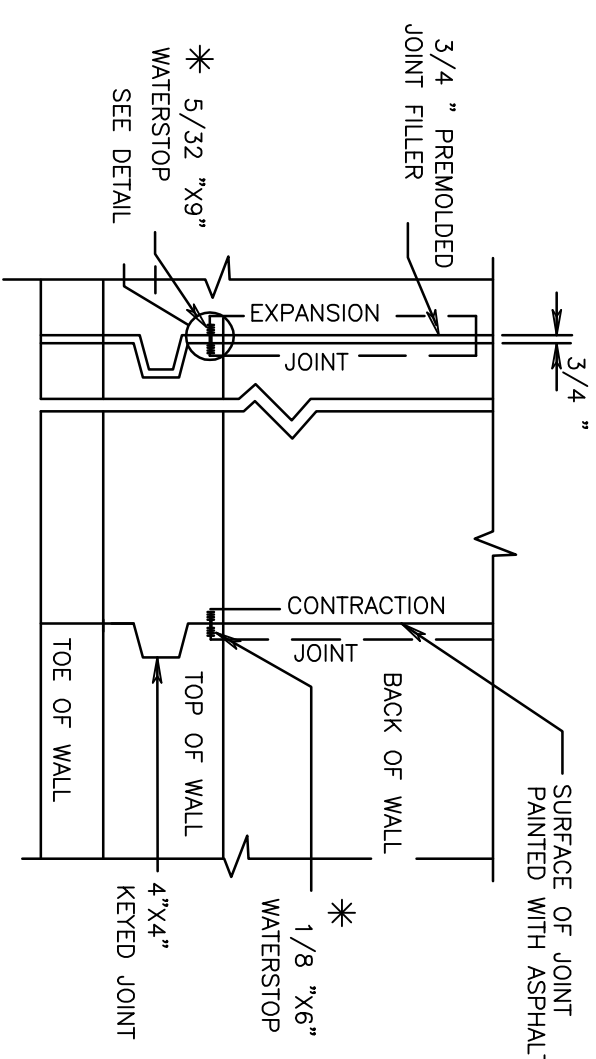
SECTION B-B

SCALE 1" = 10'



SECTION A-A

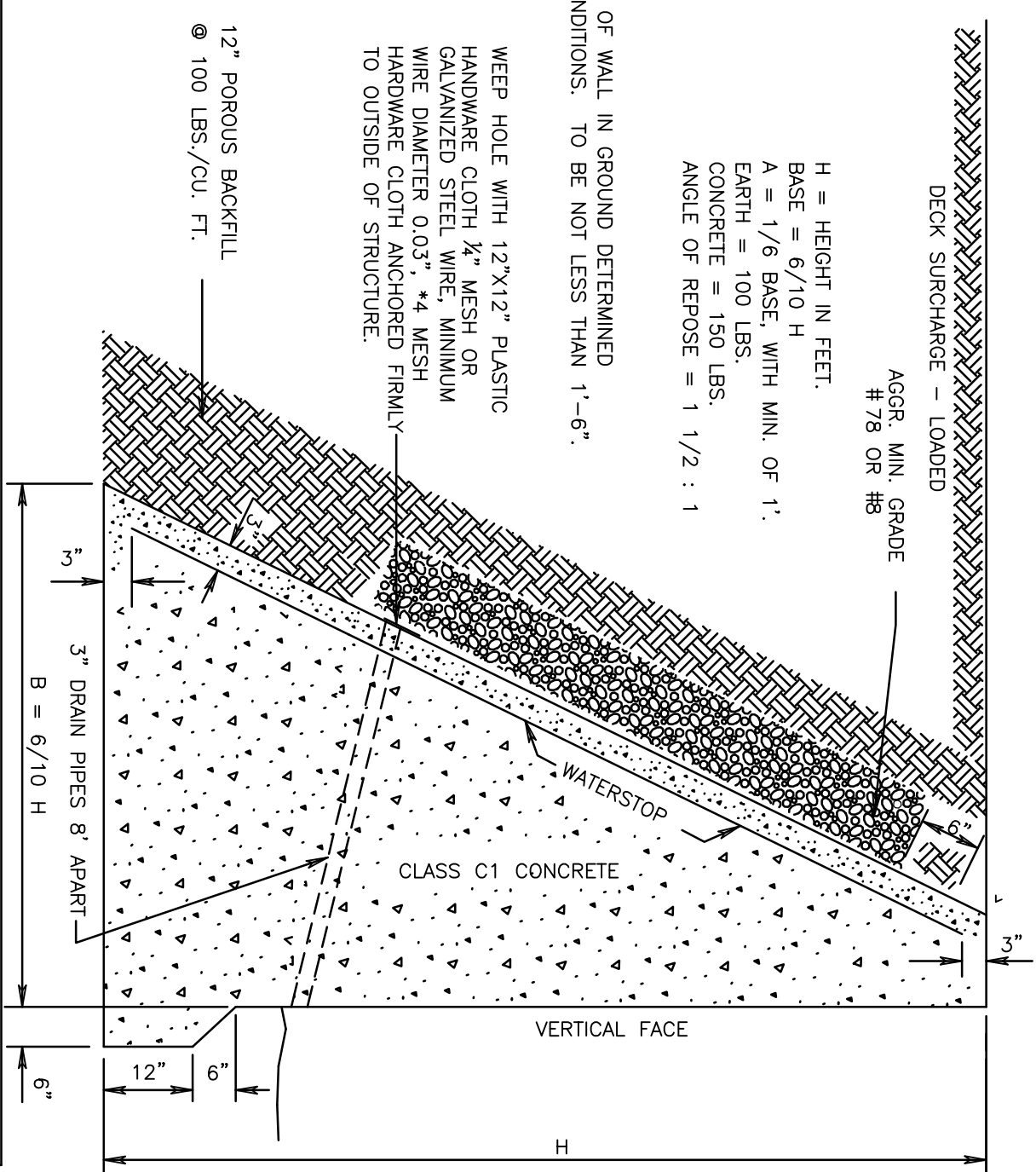
SCALE 1" = 10



* WATER STOPS TO BE ELASTOMERIC OR OTHER APPROVE MATERIAL. DIMENSIONS SHOWN ARE ABSOLUTE MINIMUM.

NOTE:
DEPTH OF WALL IN GROUND DETERMINED
BY CONDITIONS. TO BE NOT LESS THAN 1'-6".

H = HEIGHT IN FEET.
 BASE = $6/10$ H
 A = $1/6$ BASE, WITH MIN. OF 1
 EARTH = 100 LBS.
 CONCRETE = 150 LBS.
 ANGLE OF REPOSE = $1 \frac{1}{2} : 1$

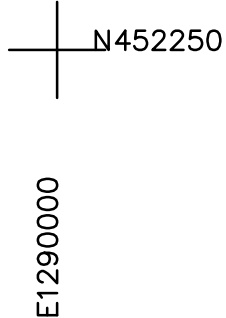


SAFE BEARING CAPACITY OF SOIL	
ROCK MINIMUM	10,000 - 20,000 LBS. SQ. FT.
GRAVEL AND COARSE SAND, WELL CEMENTED	16,000 - 20,000 LBS. SQ. FT.
CLAY IN THICK BEDS, ALWAYS DRY	12,000 - 16,000 LBS. SQ. FT.
CLAY IN THICK BEDS, MODERATELY DRY	8,000 - 12,000 LBS. SQ. FT.
CLAY, SOFT	2,000 - 4,000 LBS. SQ. FT.
SAND, DRY, COMPACT, AND WELL CEMENTED	8,000 - 12,000 LBS. SQ. FT.
SAND, CLEAN, DRY	4,000 - 8,000 LBS. SQ. FT.
ALLUVAL SOILS, ETC.	1,000 - 2,000 LBS. SQ. FT.

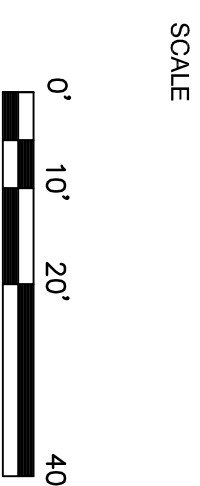
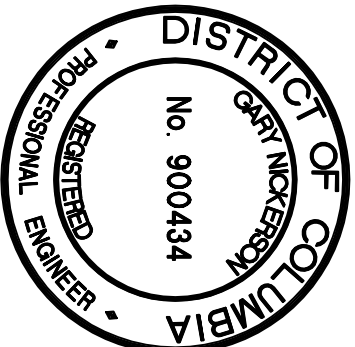
NOTE: IF COMPRESSION AT TOE EXCEEDS SAFE BEARING CAPACITY OF SOIL, A SPECIAL FOOTING IS TO BE USED.

HEIGHT OF WALL IN FEET	THICKNESS AT TOP IN FEET	THICKNESS BASE B=6H	COMPRESSION AT TOE LBS. SQ. FT.	AREA OF SECTION SQ. FT.
3	1'-0"	1'-9 5/8 "	856	4.83
4	1'-0"	2'-4 3/4 "	1141	7.43
5	1'-0"	3'-0"	1427	10.63
6	1'-0"	3'-7 1/4 "	1712	14.43
7	1'-0"	4'-2 3/8 "	1997	18.83
8	1'-0"	4'-9 5/8 "	2283	23.83
9	1'-0"	5'-4 3/4 "	2568	29.43
10	1'-0"	6'-0"	2853	35.63
11	1'-1 1/4 "	6'-7 1/4 "	3139	42.08
12	1'-2 3/8 "	7'-2 3/8 "	3424	51.03
13	1'-3 5/8 "	7'-9 5/8 "	3709	59.78
14	1'-4 3/4 "	8'-4 3/4 "	3995	69.23
15	1'-6"	9'-0"	4280	79.38

* APPROXIMATE LOCATION PER NPS



SHEET NO. 5 OF 18

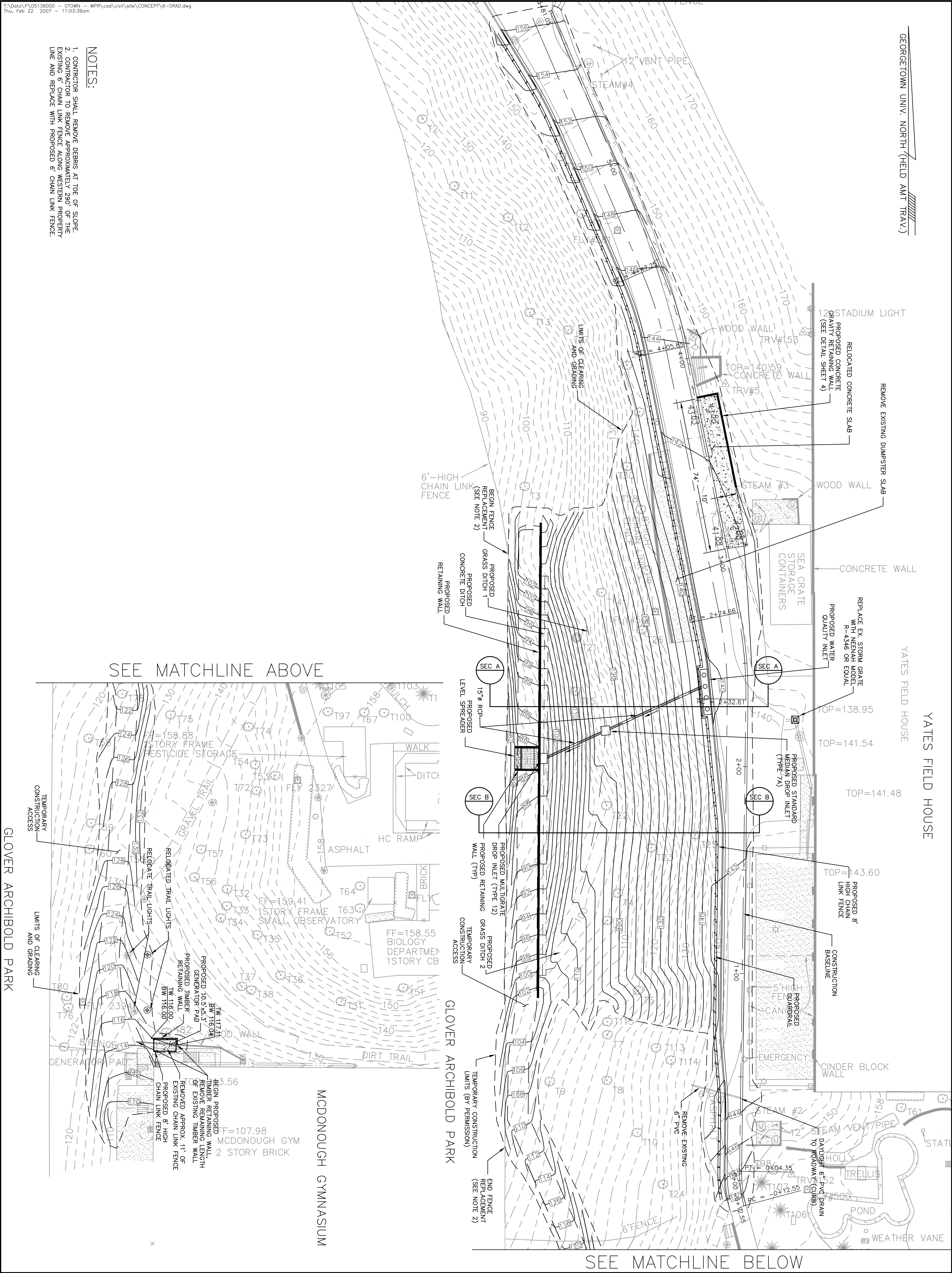


No.	DATE	BY	Description
REVISIONS			

DRAWN BY	A. SPRUCH
APPROVED BY	T. CULLETON
CHECKED BY	T. CULLETON
DATE	JANUARY 2007

GRADING PLAN

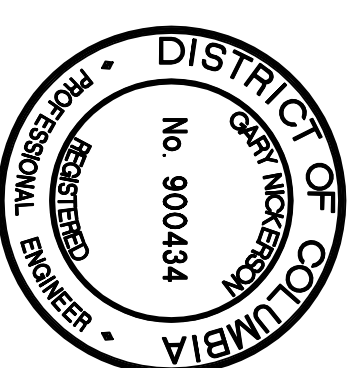
PROJECT NO.	05136000
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UNIVERSITY
WASHINGTON, DC



KEY PLAN

SCALE

[illegible]

FINAL GRADING PLAN

PROJECT NO. 0513600C

SHEET NO

7 OF 18

