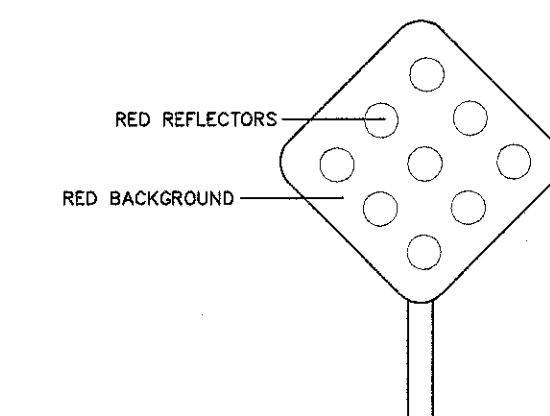
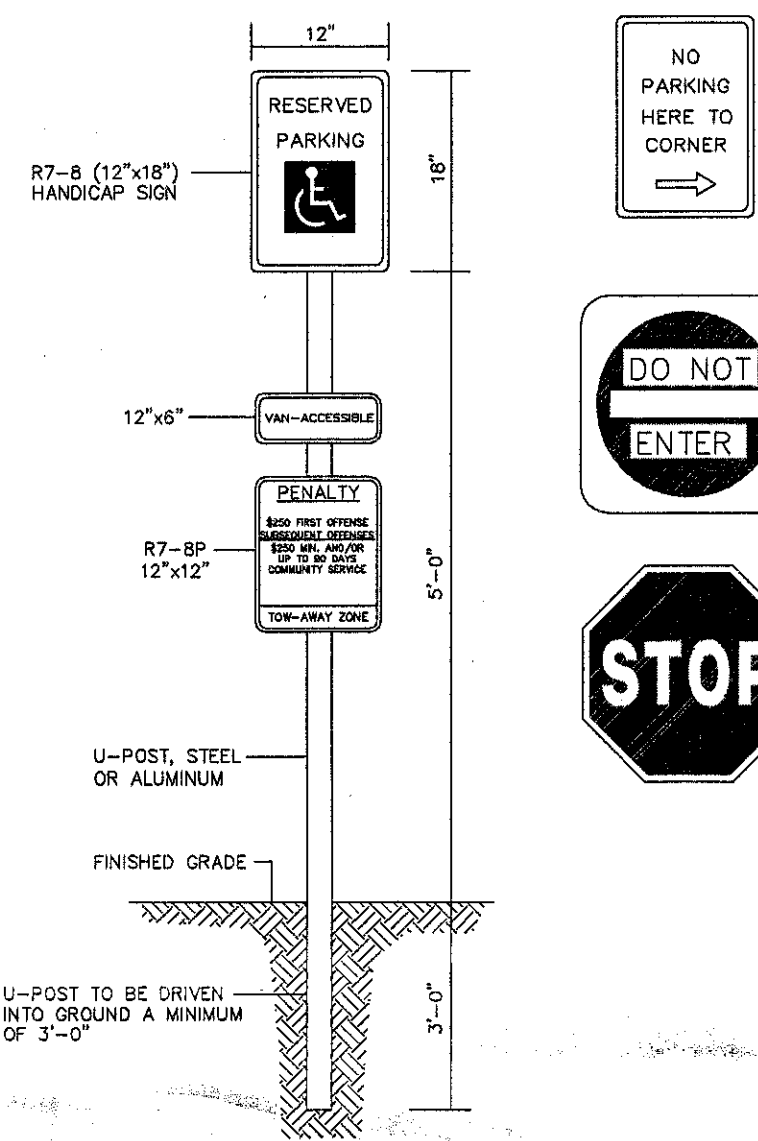
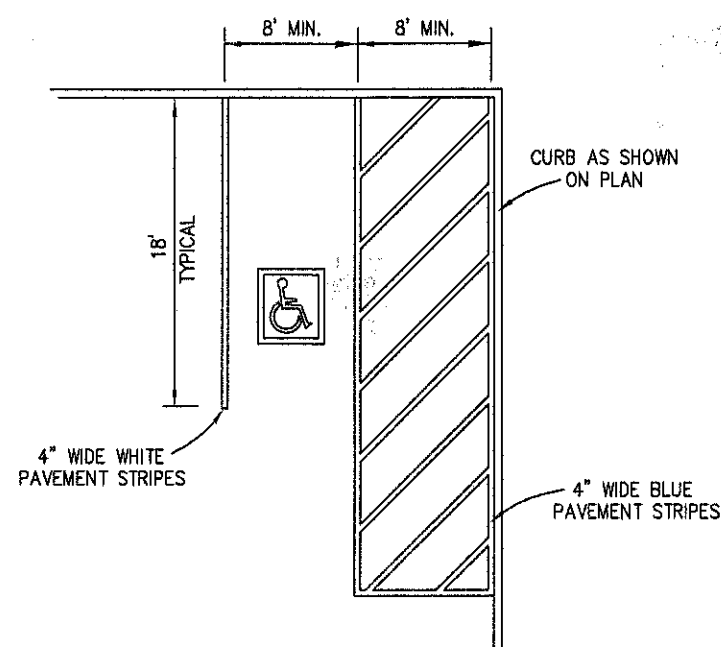




DM4-1 END OF PAVEMENT SIGN



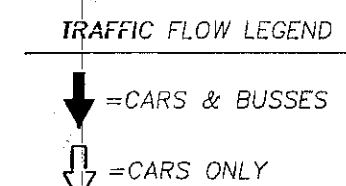
ACCESSIBLE PARKING SIGN



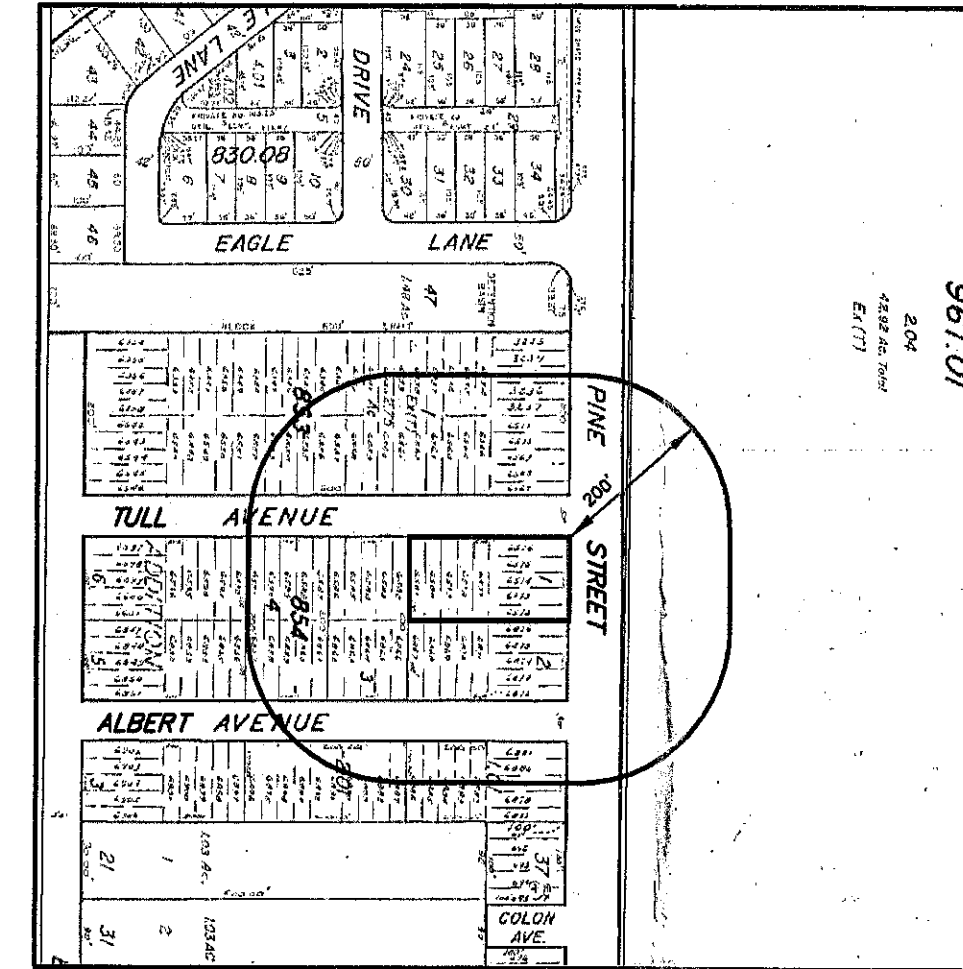
GENERAL NOTES:
ACCESS / LOADING AREA NEXT TO HANDICAP STALLS TO BE PAINTED WITH 4" WIDE LIGHT BLUE STRIPES AT A 45 DEGREE ANGLE TO STALL AT 3 FT. C. TO C. PAINT TO MEET N-MUTCD REQUIREMENTS.

TYPICAL HANDICAPPED PARKING SPACE STRIPING DETAIL

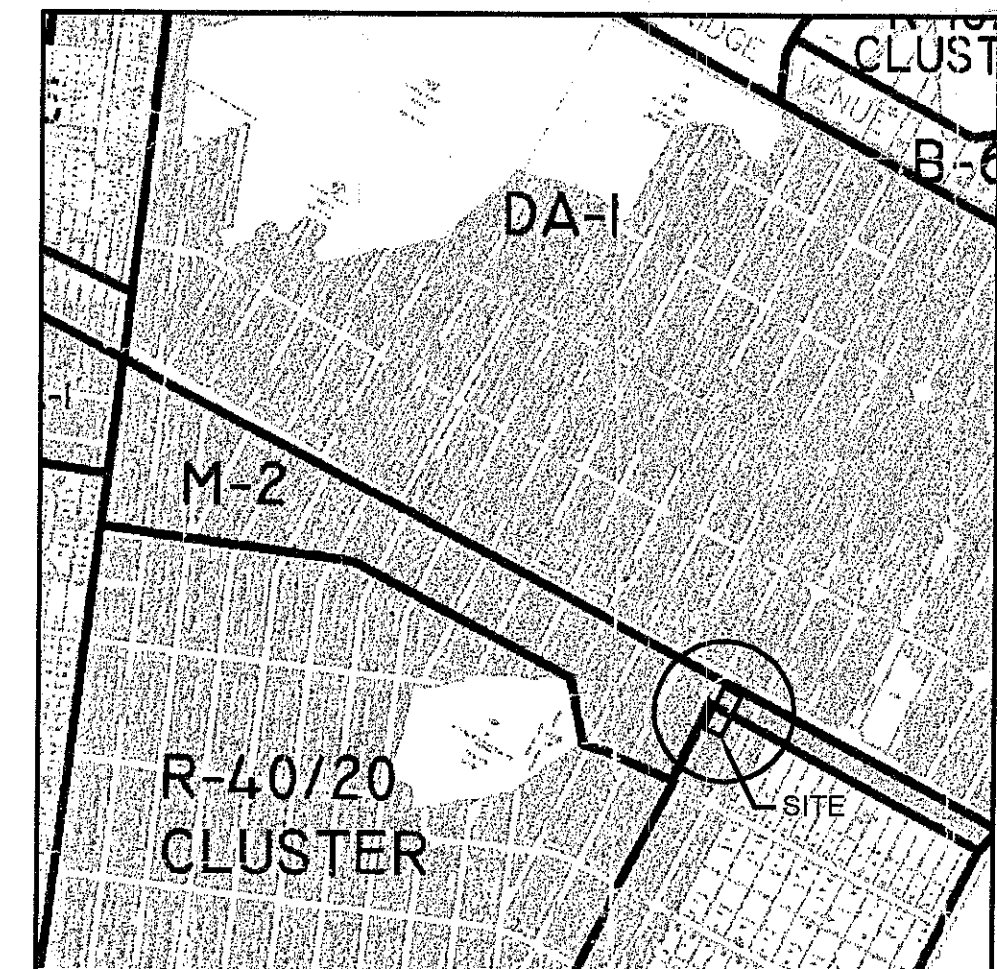
APPROVED BY LAKEWOOD TOWNSHIP PLANNING BOARD
ON 4/24/12 BY RESOLUTION # SP1983
CHAIRPERSON
SECRETARY
ENGINEER
DATE 10/12/12
DATE 10/12/12



FINAL FOR CONSTRUCTION



TAX MAP
N.T.S.



ZONE MAP
N.T.S.

200' PROPERTY OWNERS LIST

TOWNSHIP OF LAKEWOOD			DATE: March 13, 2012	
Certified List of Owners			BLOCK: 854	
			LOT: 1	
BLOCK	LOT	PROPERTY LOCATION	OWNERS NAME & ADDRESS	
854	2	272 ALBERT AVENUE	OQUAGHA IFEOMA 272 ALBERT AVENUE LAKEWOOD NJ 08701	
854	3	279 ALBERT AVENUE	BENDER, CHAYAR 279 ALBERT AVE LAKEWOOD NJ 08701	
854	4	282 ALBERT AVENUE	730 RIVER AVENUE LLC 114 MADISON AVENUE STE A6 LAKEWOOD NJ 08701	
853	1	PINE STREET	TOWNSHIP OF LAKEWOOD 231 THIRD STREET LAKEWOOD, N.J. 08701	
855.01	1.01	270 ALBERT AVENUE	270 ALBERT AVENUE LLC 5 RAVEN LANE LAKEWOOD NJ 08701	
855.01	2.01	280 ALBERT AVENUE	MADER, RON L & TRACEY M 280 ALBERT AVENUE LAKEWOOD NJ 08701	
961.01	2.04	PINE STREET	TOWNSHIP OF LAKEWOOD 231 3RD ST LAKEWOOD, N.J. 08701	

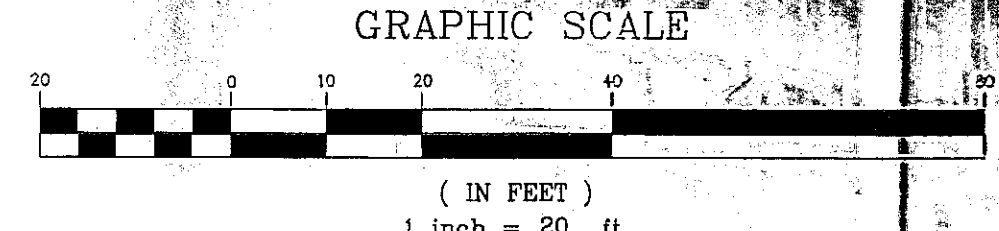
GENERAL NOTES:

1. PROPERTY IS KNOWN AND DESIGNATED AS LOT 1, BLOCK 854 AS SHOWN ON SHEET 112 OF THE OFFICIAL TAX MAPS OF THE TOWNSHIP OF LAKEWOOD, OCEAN COUNTY, NEW JERSEY.
2. PROPERTY IS LOCATED IN THE R-20 ZONE.
3. OWNER/APPLICANT:
4. EXISTING USE IS VACANT - PROPOSED USE IS SCHOOL FOR GIRLS GRADES K-8.
5. BOUNDARY AND TOPOGRAPHY TAKEN FROM SURVEY BY DSV & ASSOCIATES DATED 3-7-12.
6. VERTICAL ELEVATION BASED ON AN ASSUMED DATUM. (ASSUM. B.M.=NAIL AT C.L. INT. PINE STREET & CHARITY TULL AVENUE=40.00)
7. ALL TREES WITHIN LIMITS OF GRADING TO BE REMOVED.
8. TOTAL LOT AREA 20,000 S.F.
9. SOLID WASTE AND RECYCLING TO BE COLLECTED BY TOWNSHIP.
10. ADJACENT LOTS ARE RESIDENTIAL USES.
11. FINAL DESIGN OF PROPOSED SEPTIC AND WELL TO BE APPROVED BY O.C.H.D.
12. A WAIVER HAS BEEN GRANTED BY THE PLANNING BOARD FROM THE REQUIREMENTS OF SECTION 18-906A OF THE UDO CONCERNING ALL BUFFER REQUIREMENTS.
13. A VARIANCE HAS BEEN GRANTED BY THE PLANNING BOARD FOR THE NUMBER OF PARKING SPACES TO BE PROVIDED. FIFTEEN (15) SPACES ARE REQUIRED AND NINE (9) SPACES ARE PROVIDED ON-SITE. ADDITIONAL OFF-SITE SPACES ARE ALSO PROVIDED.

ZONING DATA

ZONE: R-20		
	REQUIRED	PROVIDED
MIN. LOT AREA (SF.):	20,000	20,000
MIN. LOT WIDTH (FT.):	100	100
MIN. FRONT YARD (FT.):	30	25**
MIN. REAR YARD (FT.):	20	10**
MIN. SIDE YARD (ONE SIDE) (FT.):	10	10
MIN. SIDE YARD (BOTH SIDES) (FT.):	25	N/A
MAX. BUILDING COVERAGE (%):	25%	27%**
MAX. BUILDING HEIGHT (FT.):	35 ft.	<35 ft.

**VARIANCE



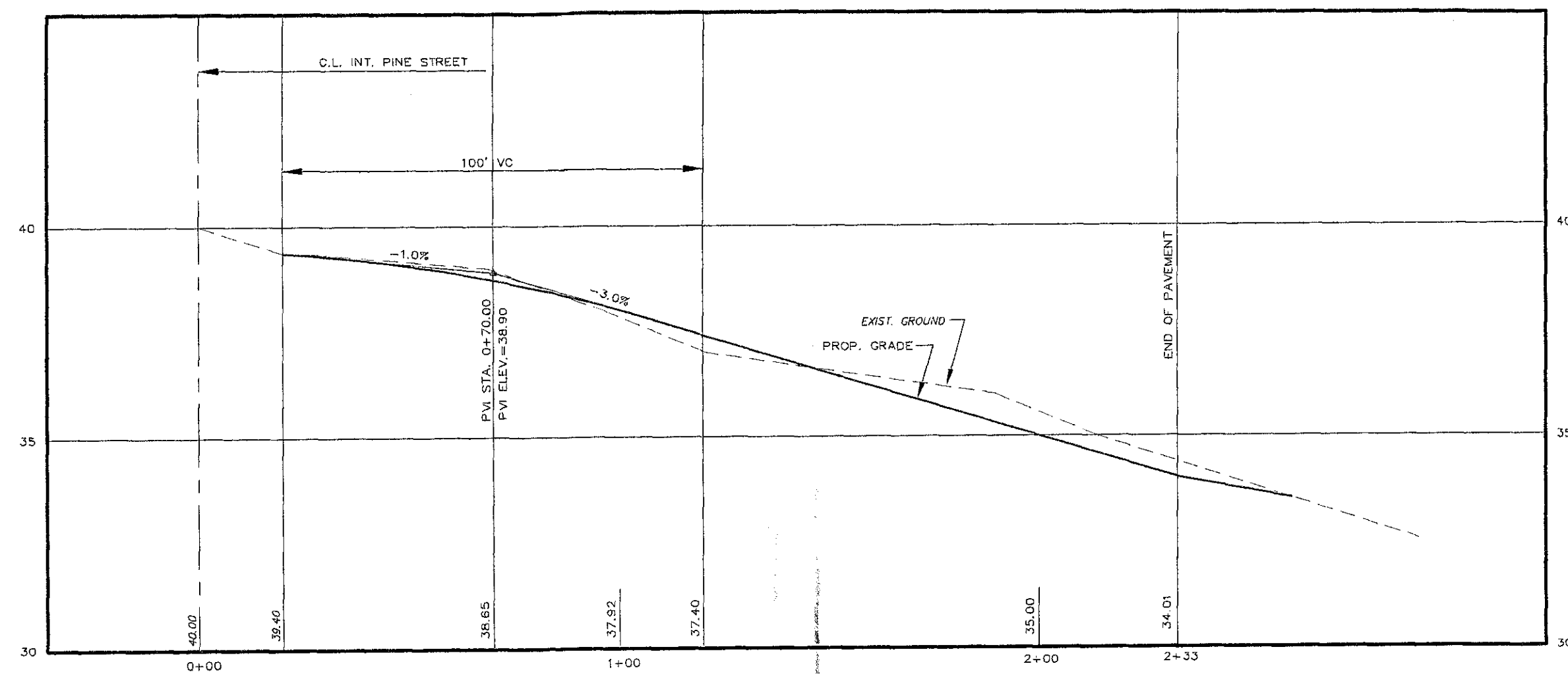
REV. 5 8-29-12 HC RAMP
REV. 4 8-3-12 PER O.C.H.D. COMMENTS
REV. 3 7-17-12 REVISED PER TWP. ENGINEER'S LETTER DATED 7-9-12
REV. 2 5-10-12 REVISED PER TWP. ENGINEER'S LETTER DATED 4-19-12
REV. 1 4-12-12 REVISED PER TWP. ENGINEER'S LETTER DATED 3-26-12

PRELIMINARY / FINAL MAJOR SITE PLAN
PROPOSED SCHOOL
BLOCK 854, LOT 1
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Lines Engineering, LLC
212 Second Street, Suite 401A
Lakewood, New Jersey 08701
Phone (732) 961-6846 Fax (732) 961-6847

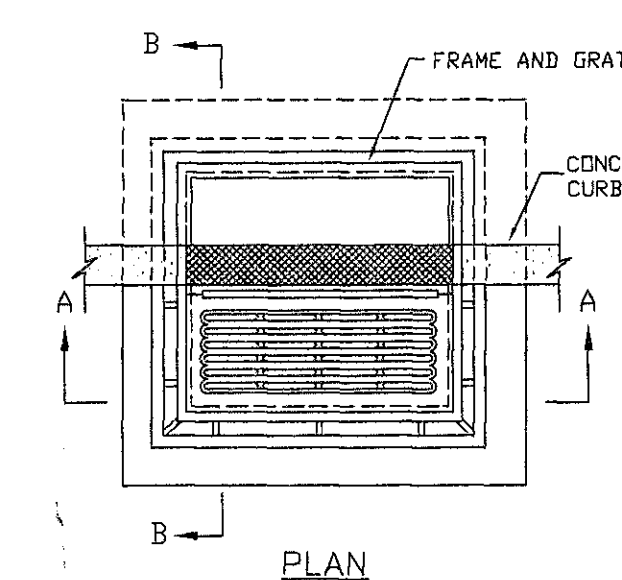
GLENN D. LINES, P.E., P.P.
9/28/12

PROJECT NO. 12493
SCALE 1" = 20'
DATE 3/13/12
SHEET 1 OF 5

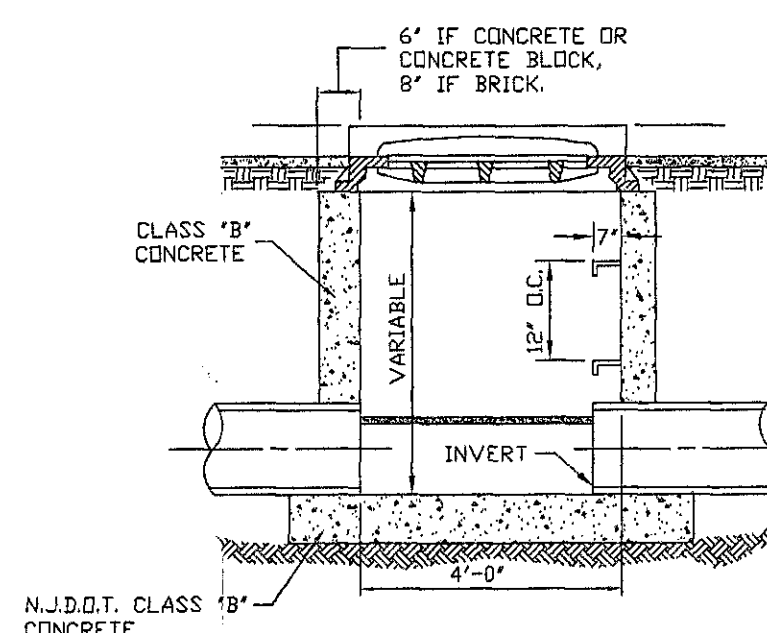


CHARITY TULL AVENUE C.L. PROFILE

VERT. SCALE: 1"=3'
HORIZ. SCALE: 1"=30'

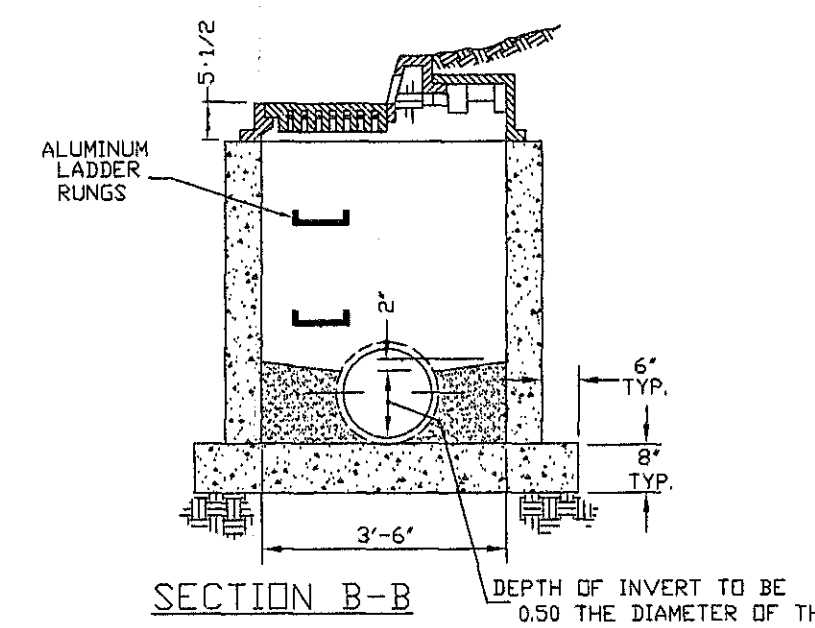


PLAN



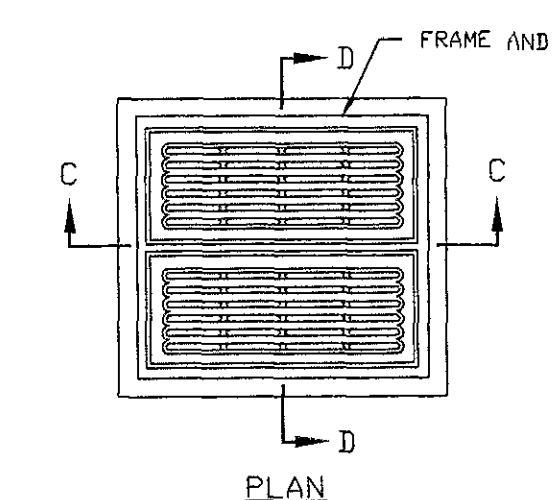
SECTION A-A

TYPE "B" INLET
NOT TO SCALE

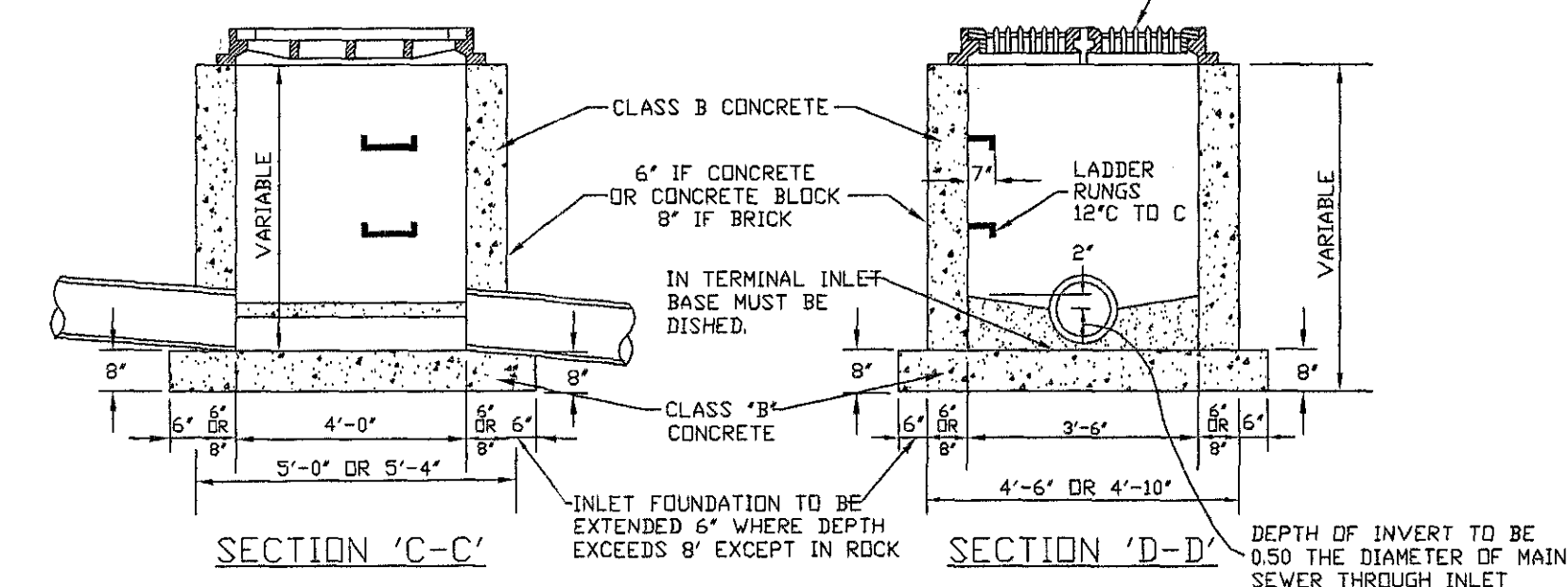


SECTION B-B

DEPTH OF INVERT TO BE 0.50 THE DIAMETER OF THE MAIN LINE

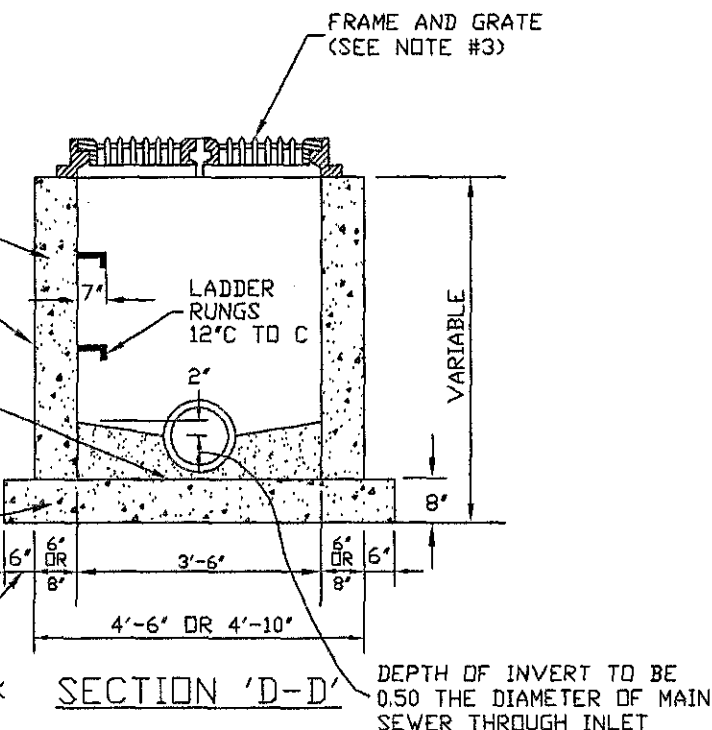


PLAN



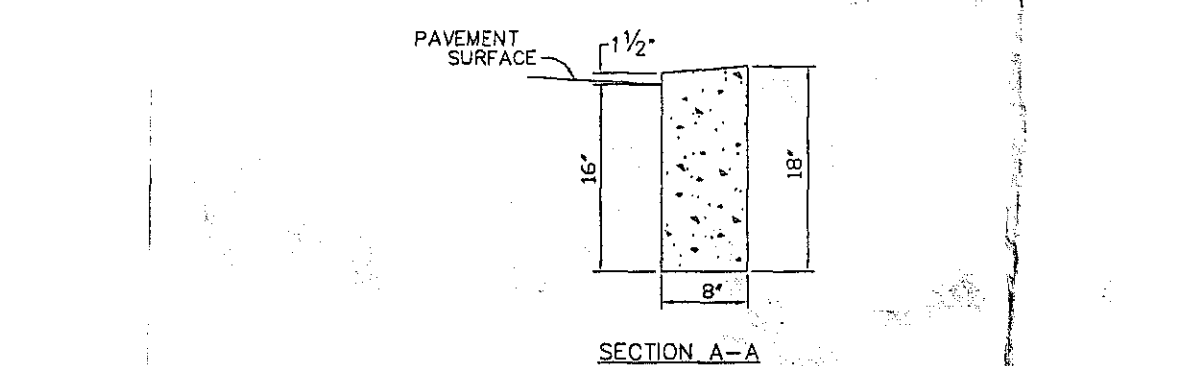
SECTION 'C-C'

TYPE "E" INLET
NOT TO SCALE



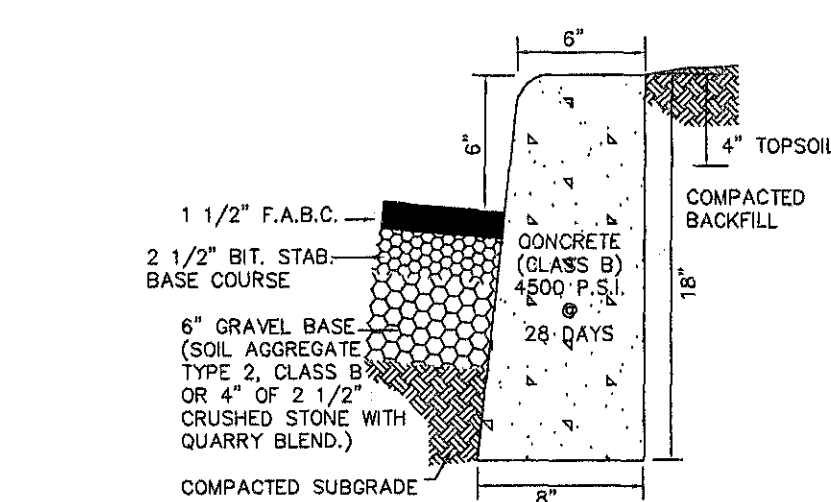
SECTION 'D-D'

DEPTH OF INVERT TO BE 0.50 THE DIAMETER OF MAIN SEWER THROUGH INLET



SECTION A-A

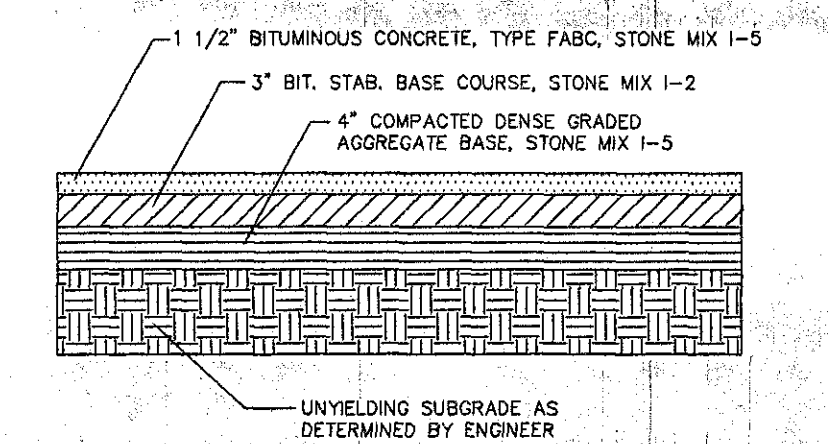
DEPRESSING CURB AT DRIVEWAYS
NOT TO SCALE



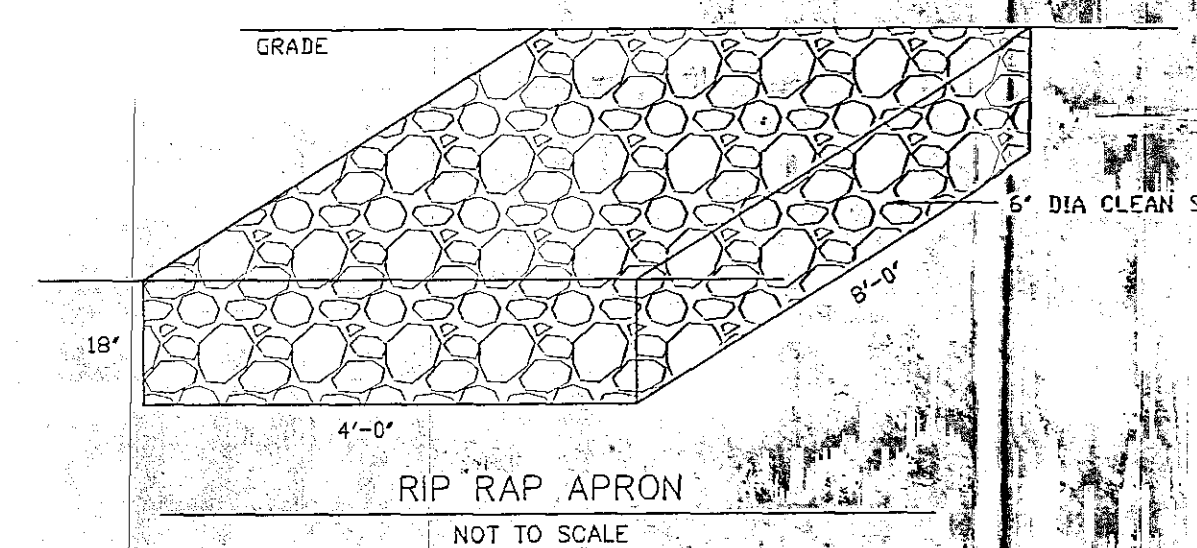
GENERAL NOTES:

- EXPANSION JOINTS TO BE LOCATED A MAXIMUM OF 20' ON CENTER. EXPANSION MATERIAL TO BE PREMOULDED ASPHALT IMPREGNATED A MINIMUM OF 1/2" THICK. CONTRACTION JOINTS TO BE LOCATED A MAXIMUM OF 10' ON CENTER. ALL JOINTS TO BE FULL DEPTH OF 18".
- DEPRESSED VERTICAL CURB AT DRIVEWAY AND RAMP AREAS SHALL BE FULL DEPTH OF 18".

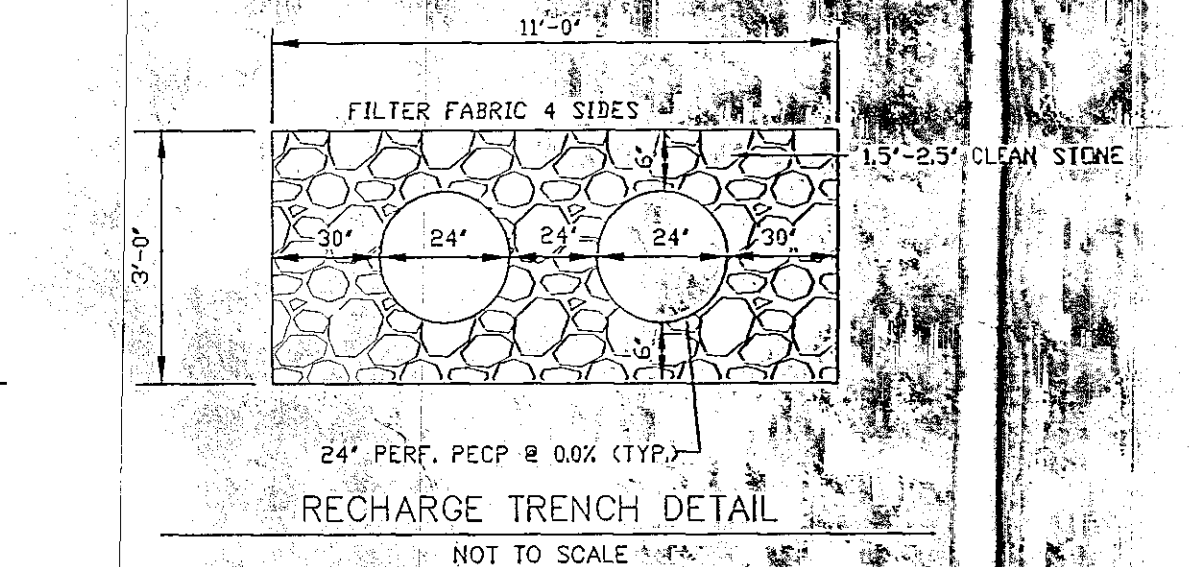
PAVING AND CURB DETAIL
NOT TO SCALE



DRIVEWAY CROSS-SECTION DETAIL
N.T.S.



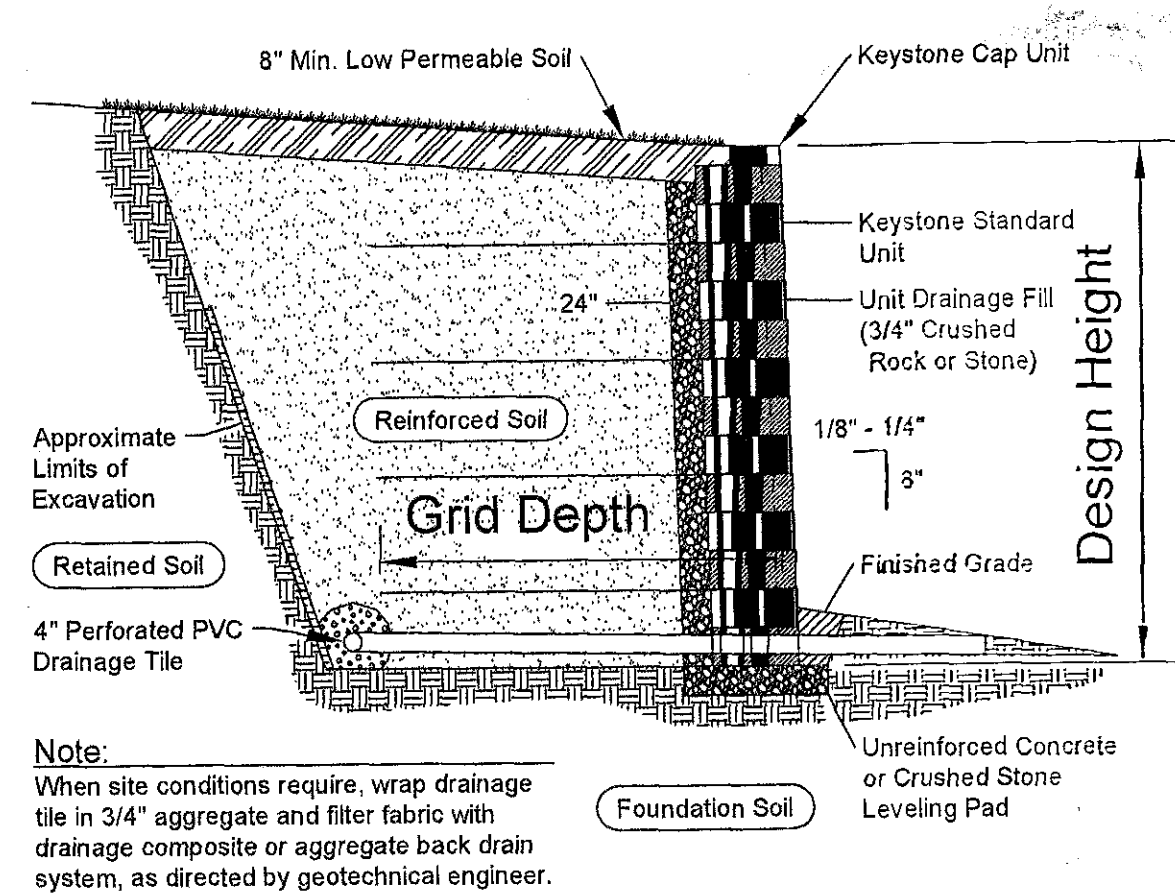
RIP RAP APRON
NOT TO SCALE



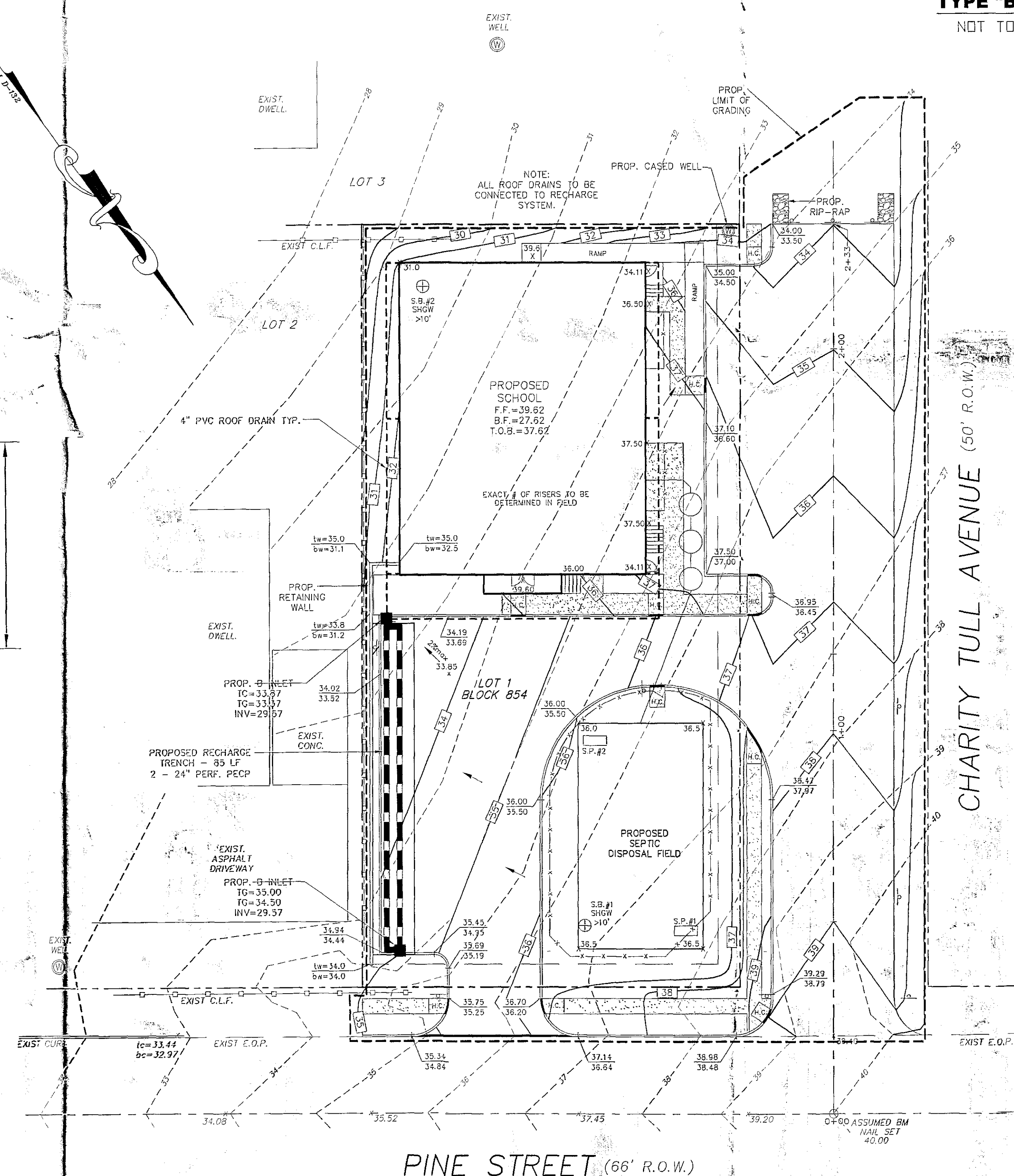
RECHARGE TRENCH DETAIL
NOT TO SCALE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



Typical Reinforced Wall Section
Standard Unit - Near Vertical Setback



PINE STREET (66' R.O.W.)

FINAL FOR
CONSTRUCTION

- REV. 5 8-29-12 HC RAMP
REV. 4 8-3-12 PER O.C.H.D. COMMENTS
REV. 3 7-17-12 REVISED PER TWP. ENGINEER'S LETTER DATED 7-9-12
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REV. 1 4-12-12 REVISED PER TWP. ENGINEER'S LETTER DATED 3-26-12

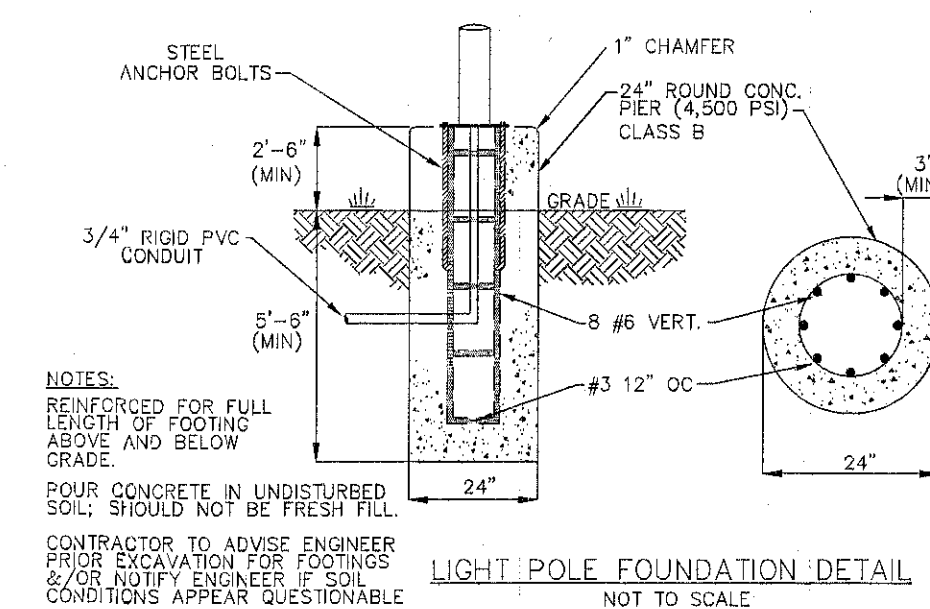
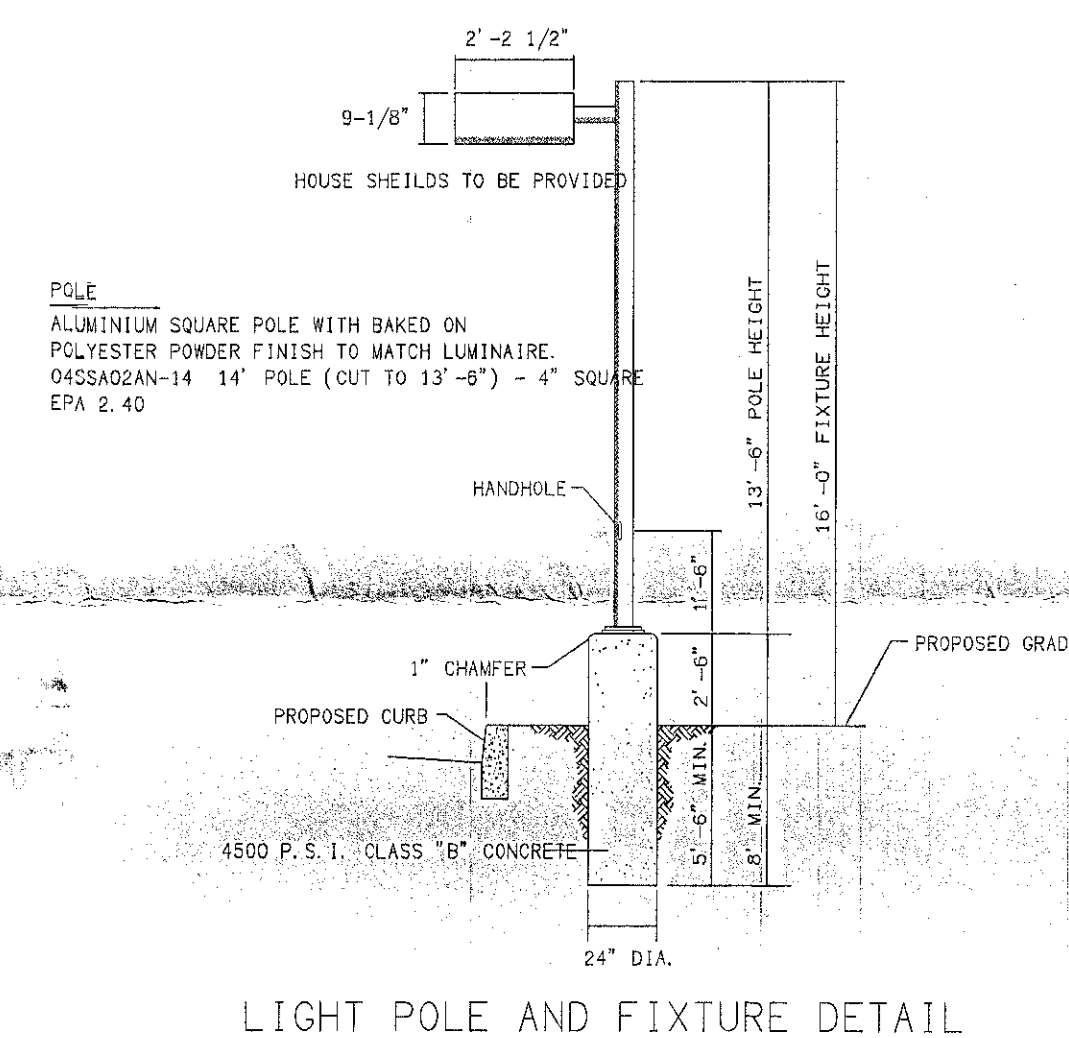
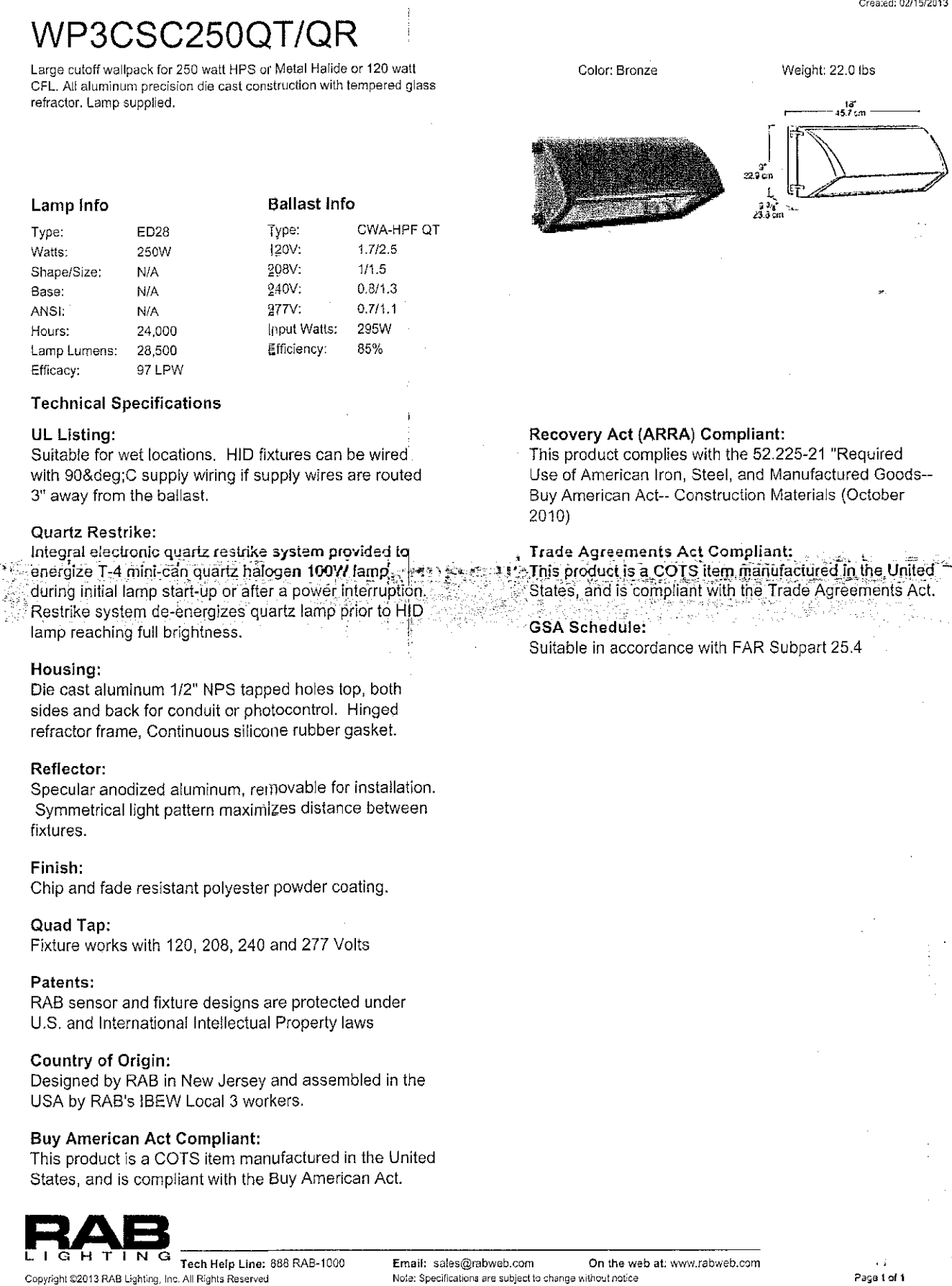
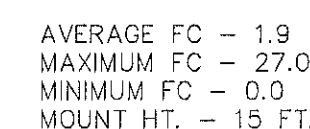
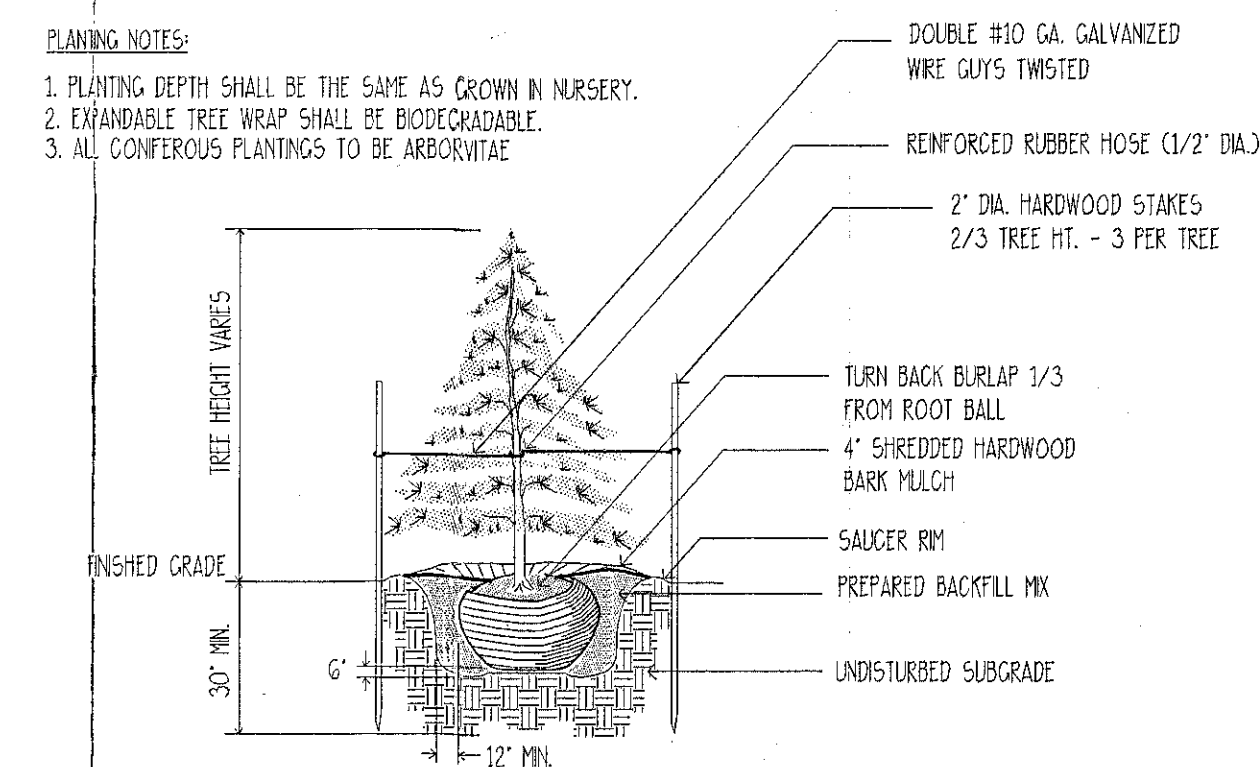
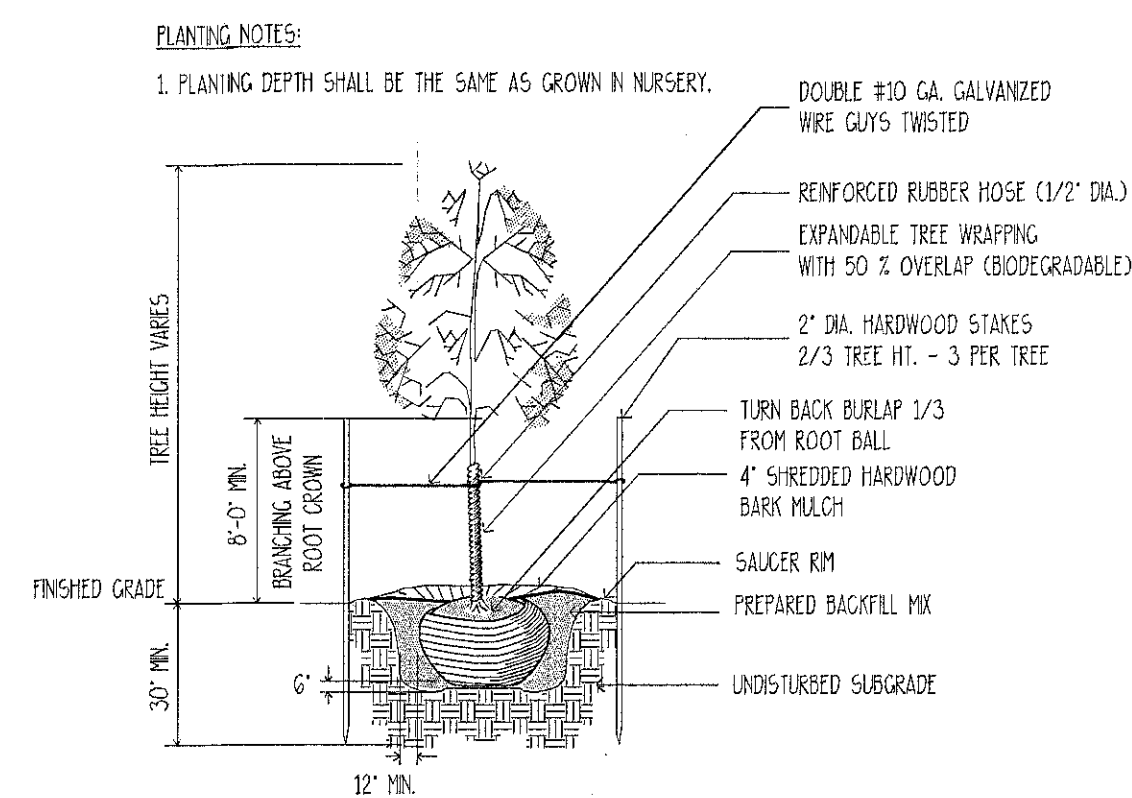
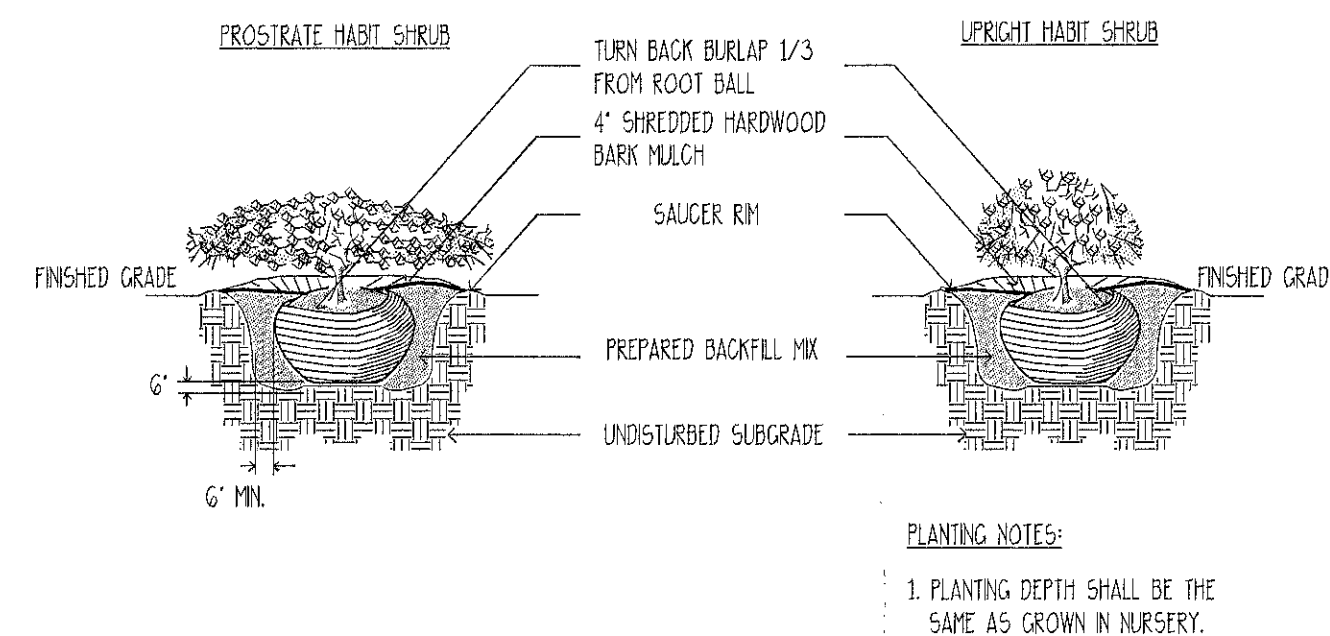
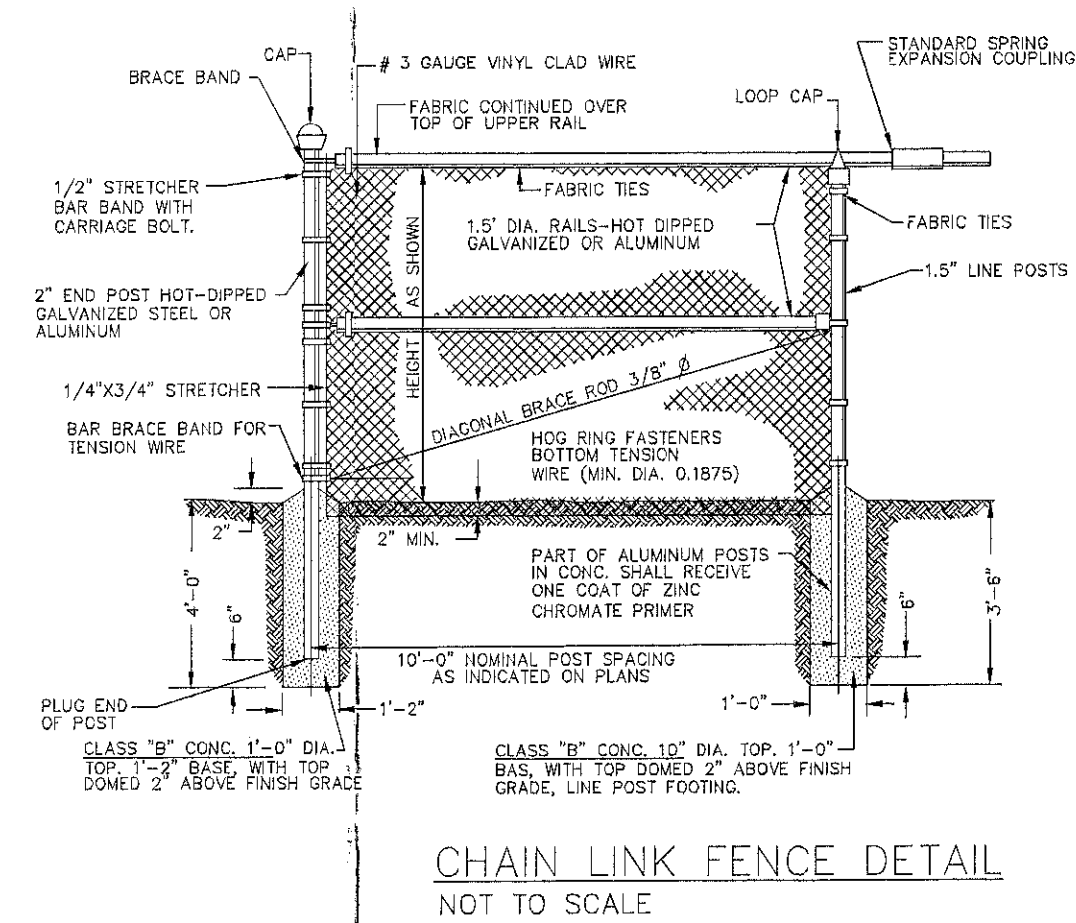
GRADING & DRAINAGE PLAN
PROPOSED SCHOOL
BLOCK 854, LOT 1
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Lines Engineering, LLC
212 Second Street, Suite 401A
Lakewood, New Jersey 08701
Phone (732) 961-6846 Fax (732) 961-6847

GLENN D. LINES, P.E., P.P.

STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4068 (P.P.)

PROJECT NO. 12493
SCALE 1" = 20'
DATE 3/13/2012
SHEET 2 OF 5



QUANT.	KEY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE AND COMMENTS
3	AR		ACER RUBRUM	RED MAPLE	2-2 1/2" (12'-14') B&B
25	AV		THUJA OCCIDENTALIS	AMERICAN ARBORVITAE	6'-8' B&B
2	IC		ILEX CRENATA	JAPANESE HOLLY	18"-24" #3 CAN
4	SB		SPIREA BUXIFOLIA "ANTHONY WATERER"	ANTHONY WATERER SPIREA	2-2 1/2"

REV. 6 1-7-13 PER O.C. SOIL CONSERVATION DISTRICT
REV. 5 8-29-12 HC RAMP
REV. 4 8-3-12 PER O.C.H.D. COMMENTS
REV. 3 7-17-12 REVISED PER TWP. ENGINEER'S LETTER DATED 7-9-12
REV. 2 5-10-12 REVISED PER TWP. ENGINEER'S LETTER DATED 4-19-12
REV. 1 4-12-12 REVISED PER TWP. ENGINEER'S LETTER DATED 3-26-12

LIGHTING & LANDSCAPE PLAN
PROPOSED SCHOOL
BLOCK 854, LOT 1
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Lines Engineering, LLC
212 Second Street, Suite 401A
Lakewood, New Jersey 08701
Phone (732) 961-6846 Fax (732) 961-

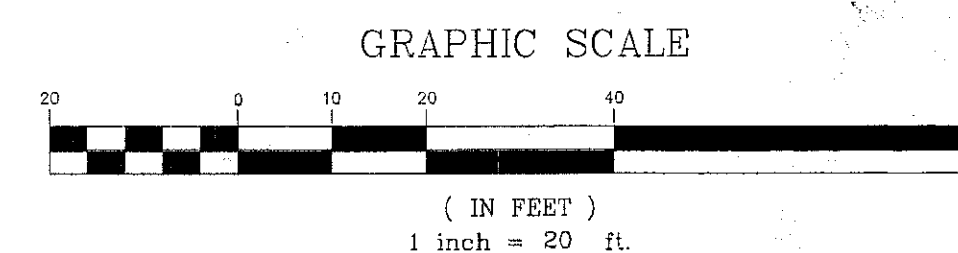
GLENN D. LINES, P.E., P.P.

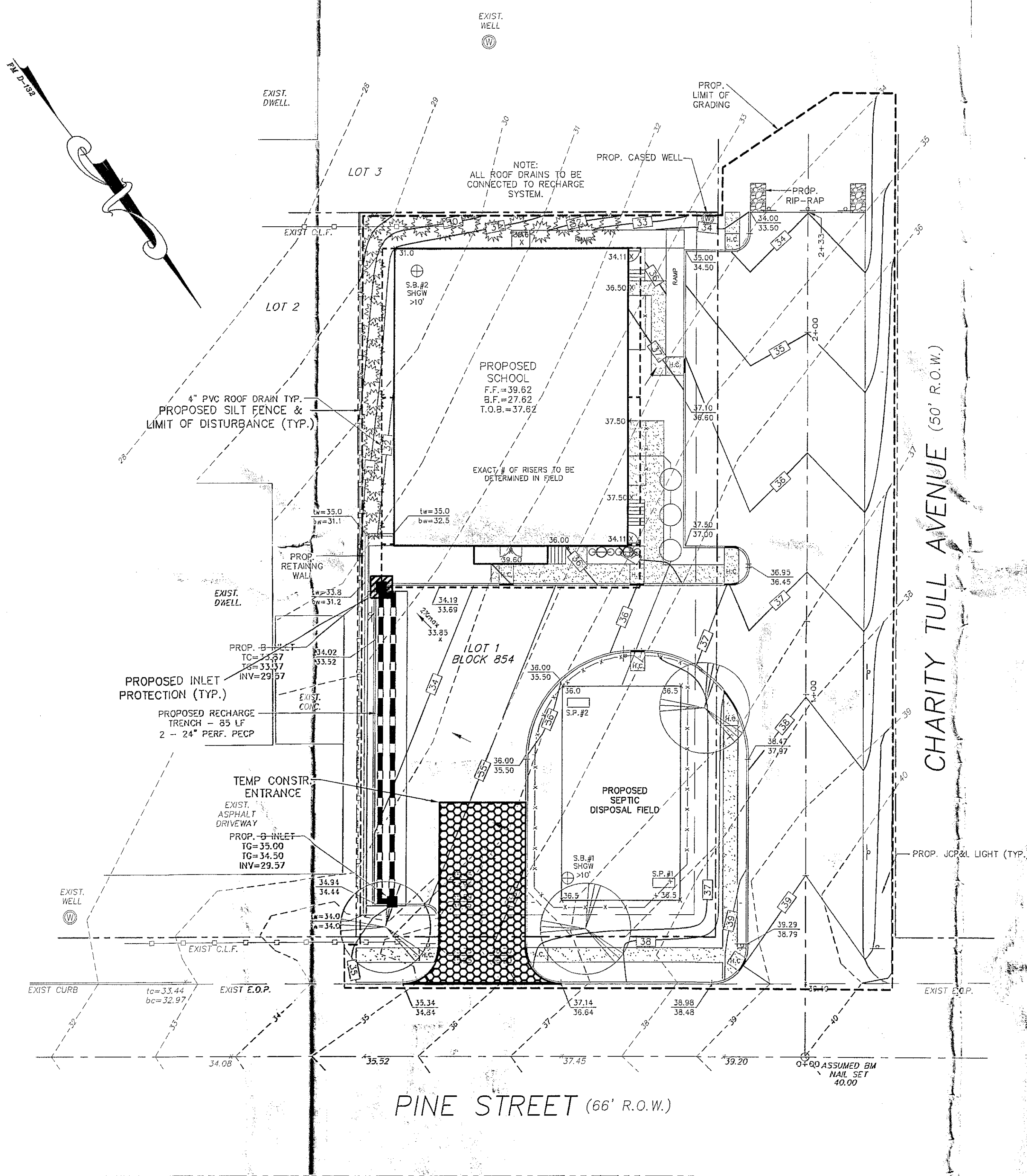

 LICENSED PROFESSIONAL ENGINEER AND PLANNER
 STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 401

P.P.	PROJECT NO.	12493
	SCALE	1" = 20'
	DATE	3/13/201
	SHEET	3 OF 5

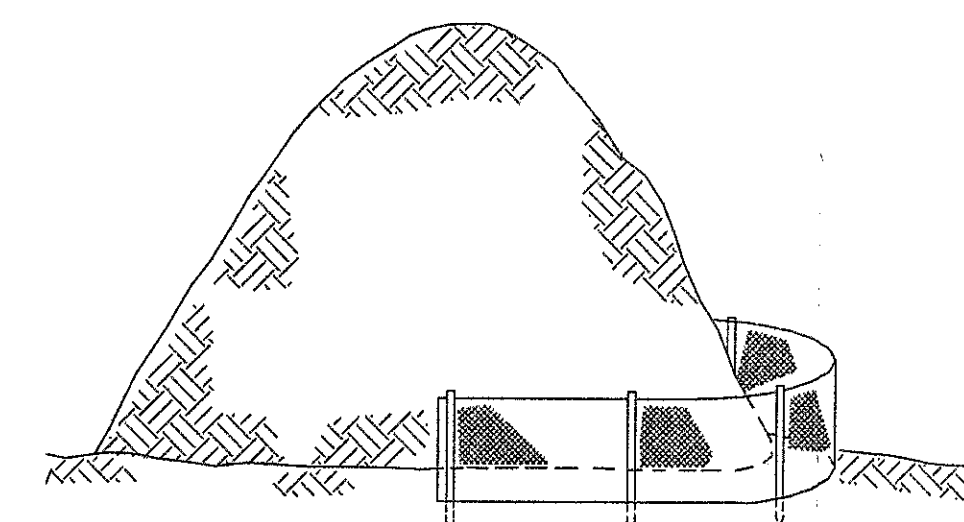
2/18/13
DATE

FINAL FOR CONSTRUCTION

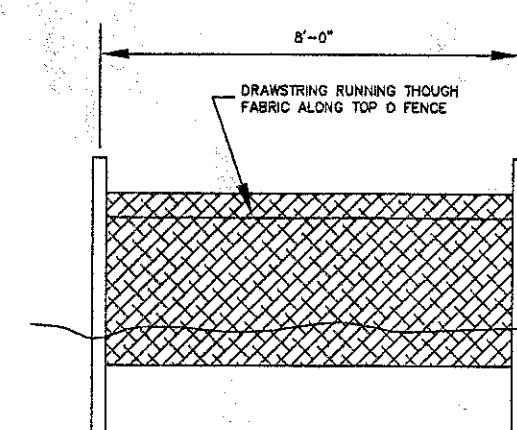




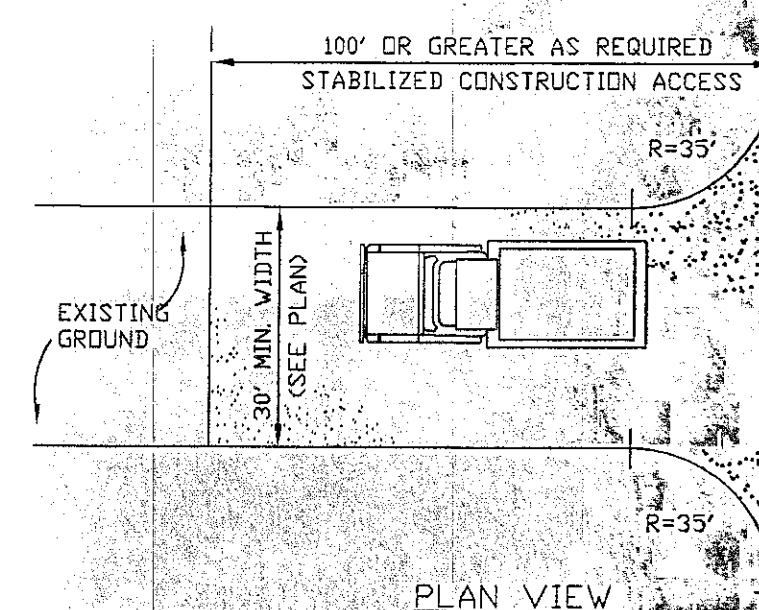
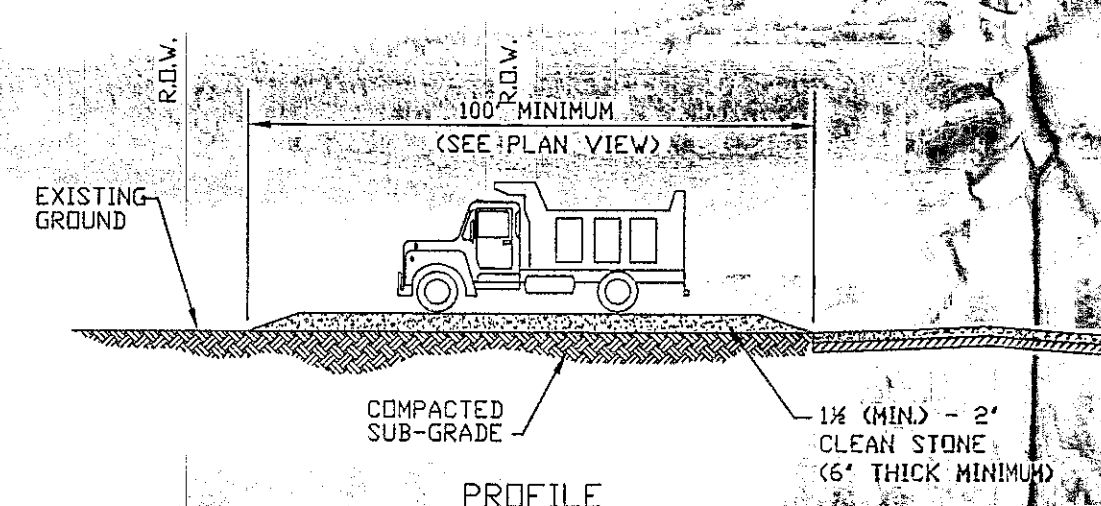
FINAL FOR
CONSTRUCTION



TOPSOIL STOCKPILING DETAIL
NOT TO SCALE

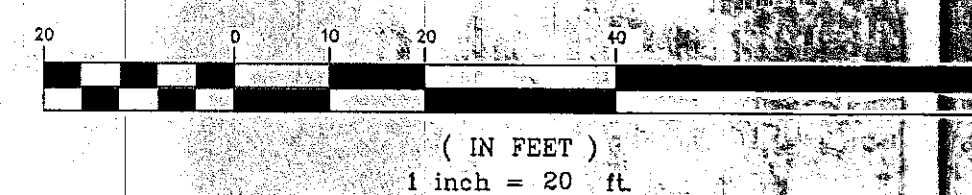


SILT FENCE DETAIL
NOT TO SCALE



STABILIZED CONSTRUCTION ACCESS
NOT TO SCALE

GRAPHIC SCALE



SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE OCEAN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
2. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL OF NEW JERSEY.
3. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
5. IN THAT N.J.S.A. 4-24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR EROSION CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2-2 1/2 TONS PER ACRE, ACCORDING TO THE STANDARDS FOR STABILIZATION WITH MULCH ONLY.
7. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 1 1/2 - 2 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
8. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF PRELIMINARY GRADING.
9. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION CONTINUES (I.E. SLOPES GREATER THAN 3:1).
10. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF 1" - 2" STONE FOR A MINIMUM LENGTH OF 10' EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
11. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
12. PERMANENT VEGETATION IS TO BE SEEDS OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
13. AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO SEEDS. PREPARATION, AREAS WHERE TREES OR SHRUBS ARE TO PLANTED SHALL BE COVERED WITH A MINIMUM OF TWENTY-FOUR (24) INCHES OF SOIL HAVING A PH OF 5 OR MORE.
15. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
16. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH STANDARD FOR DEWATERING.
17. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
18. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD, SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AREAS AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
19. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
20. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

SEEDING NOTES

1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING AND MULCH APPLICATION.
2. TEMPORARY SEEDING SHALL CONSIST OF EITHER:

COLD SEASON GRASSES	RATES	SEEDING DATES	DEPTH
PERENNIAL RYEGRASS	10 LB./SF.	3/1-5/15 OR 8/15-10/1	0.5 IN.
SPRING BARLEY	20 LB./SF.	3/1-5/15 OR 8/15-10/1	1.0 IN.
WINTER BARLEY	22 LB./SF.	8/15-10/1	1.0 IN.
WINTER CEREAL RYE	28 LB./SF.	8/15-10/1	1.0 IN.
WARM SEASON GRASSES	RATES	SEEDING DATES	DEPTH
PEARL MILLET	0.5 LB./SF.	5/15-8/15	1.0 IN.
MILLET (GERMAN OR HUNGARIAN)	0.7 LB./SF.	5/15-8/15	1.0 IN.
KEEPING LOVEGRASS	0.2 LB./SF.	5/15-8/15	0.5 IN.
3. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH UNWEIGHTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 2 TONS PER ACRE (20 TO 30 TONS PER 1000 SF.), EXCEPT THAT WHERE A CRUMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (CRACKING OR ADVANCE AGENTS), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH.
4. SUBSOIL SHOULD BE TESTED FOR LINE REQUIREMENT AND LINE REQUIREMENT SHOULD BE APPLIED TO BRING SOIL PH TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL, TO A DEPTH OF 4-6 INCHES. FERTILIZER AT A RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER SQUARE FEET USING 10-20-10 OR EQUIVALENT.
5. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION REMOVE ALL OTHER MATERIAL SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, LUMPS OR ANY OTHER UNSUITABLE MATERIAL.
6. PERMANENT GROUND COVER OF SEEDING OR SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUIVALENT:

HARD FESCUE	2.7 LB./1000 SF.
PERENNIAL RYEGRASS <td>0.7 LB./1000 SF. </td>	0.7 LB./1000 SF.
PERENNIAL RYEGRASS <td>0.25 LB./1000 SF. </td>	0.25 LB./1000 SF.

 OPTIMAL SEEDING DATES 2/1-4/30 AND 8/15-11/30
ACCEPTABLE SEEDING DATES 3/1-9/1
SEED TO A DEPTH OF 0.5 IN.
7. THE SEEDING SHOULD BE FINISHED FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRAG.
8. TACKING SHALL BE PERFORMED AS PER OCEAN COUNTY SOIL CONSERVATION DISTRICT CURRENT STANDARDS. ASPHALT TACKIFIERS ARE NOT ACCEPTABLE.

SEQUENCE OF CONSTRUCTION

1. INSTALLATION OF SILT FENCING & TREE PROTECTION FENCING PRIOR TO ANY LAND DISTURBANCE. (1 WEEK)
2. APPLICATION OF PROPER MEASURES FOR THE CONTROL OF SOIL EROSION AND SEDIMENT CONTROL. (1 WEEK)
3. CONSTRUCT STABILIZED CONSTRUCTION ACCESS WHERE CONSTRUCTION TRAFFIC ENTERS PAVED ROADWAYS. (1 DAY)
4. SITE GRADING, CLEARING SITE AS SHOWN ON THE PLANS WITH APPROPRIATE EROSION CONTROL FACILITIES (2 WEEKS)
5. PRELIMINARY AND INSTALL TEMPORARY STABILIZATION MEASURES AS REQUIRED. (2 WEEKS)
6. CONSTRUCTION & STABILIZATION OF DRAINAGE FACILITIES, AND IMPROVEMENTS. (2 MONTHS)
7. CONSTRUCTION OF COMMERCIAL STRUCTURES (1 YEAR)
8. MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL (ON-GOING)
9. REGRAZING AND STABILIZATION OF LAWN AND BERM AREAS. (2 WEEKS)
10. REMOVAL OF SOIL EROSION, SEDIMENT CONTROL FACILITIES & PROTECTIVE TREE FENCING WHEN PERMANENT EROSION CONTROL MEASURES ARE ACCEPTED BY THE TOWNSHIP ENGINEER. (1 WEEK)

REV. 5 8-29-12 HC RAMP
REV. 4 8-3-12 PER O.C.H.D. COMMENTS
REV. 3 7-17-12 REVISED PER TWP. ENGINEER'S LETTER DATED 7-9-12
REV. 2 5-10-12 REVISED PER TWP. ENGINEER'S LETTER DATED 4-19-12
REV. 1 4-12-12 REVISED PER TWP. ENGINEER'S LETTER DATED 3-26-12

SOIL EROSION & SEDIMENT CONTROL PLAN PROPOSED SCHOOL BLOCK 854, LOT 1

LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

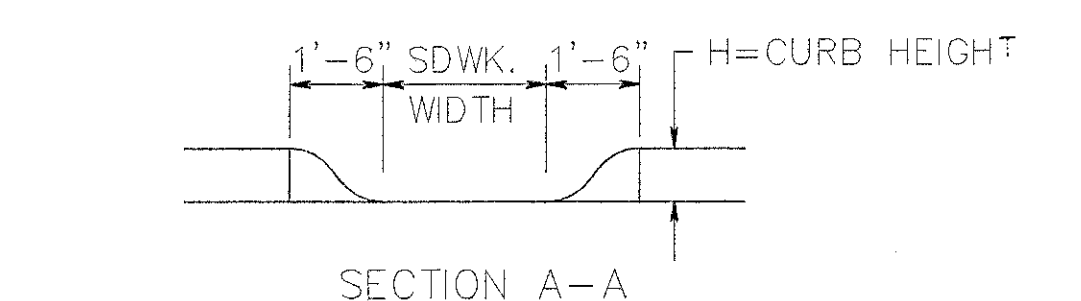
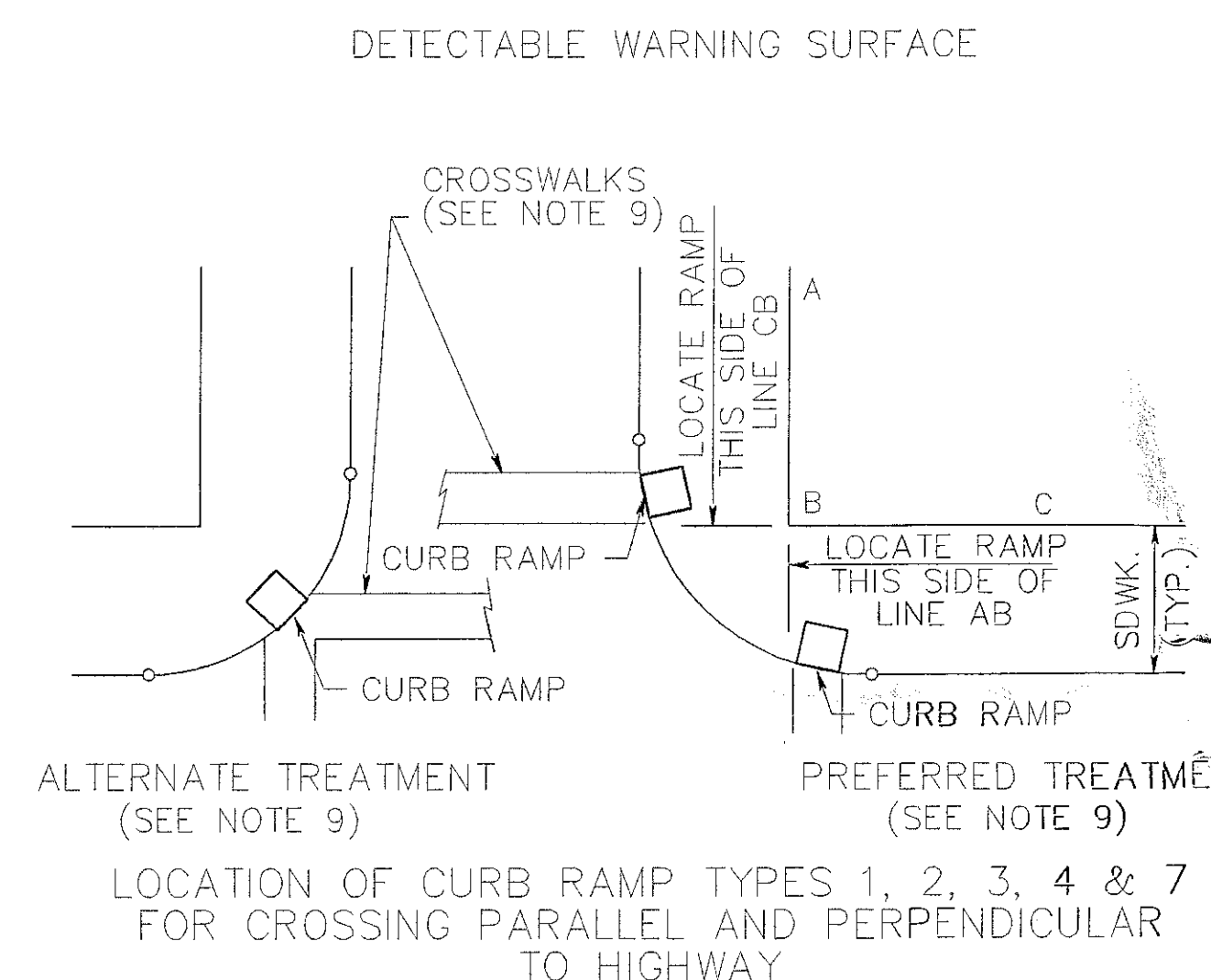
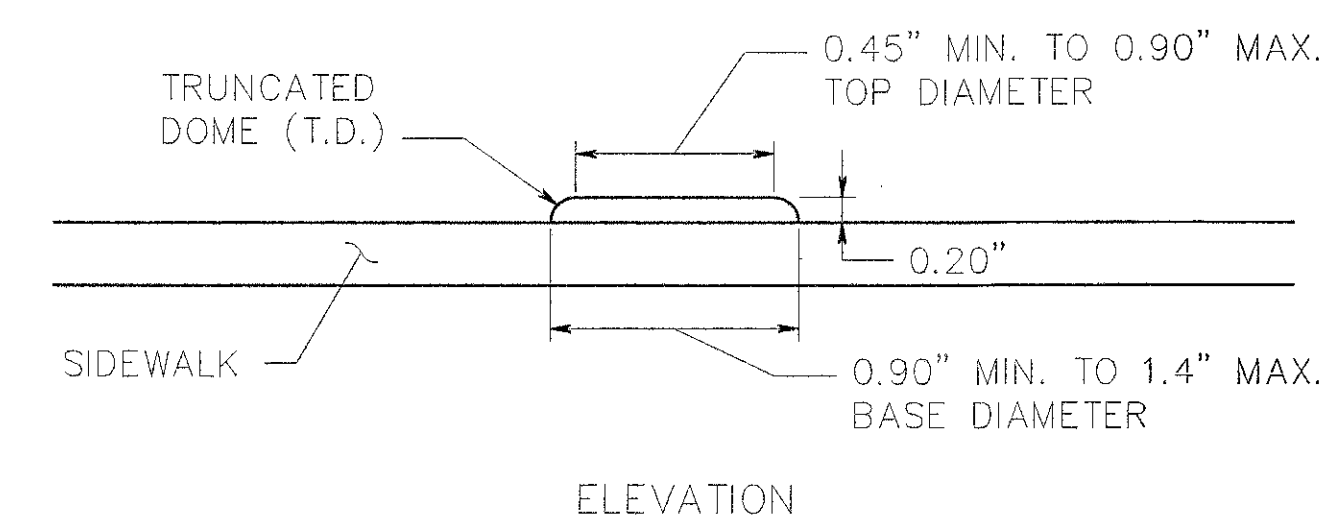
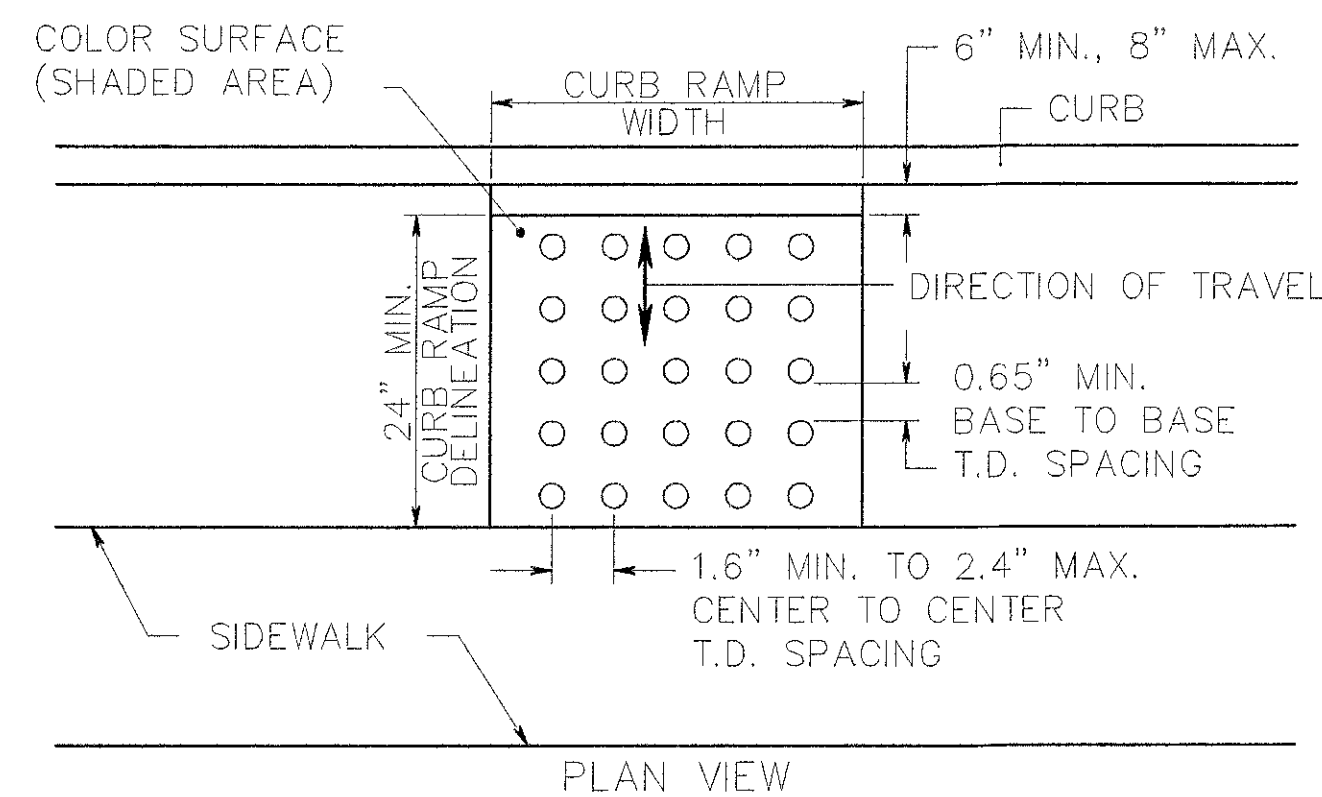
Lines Engineering, LLC
212 Second Street, Suite 401A
Lakewood, New Jersey 08701

Phone (732) 961-6846 Fax (732) 961-6847

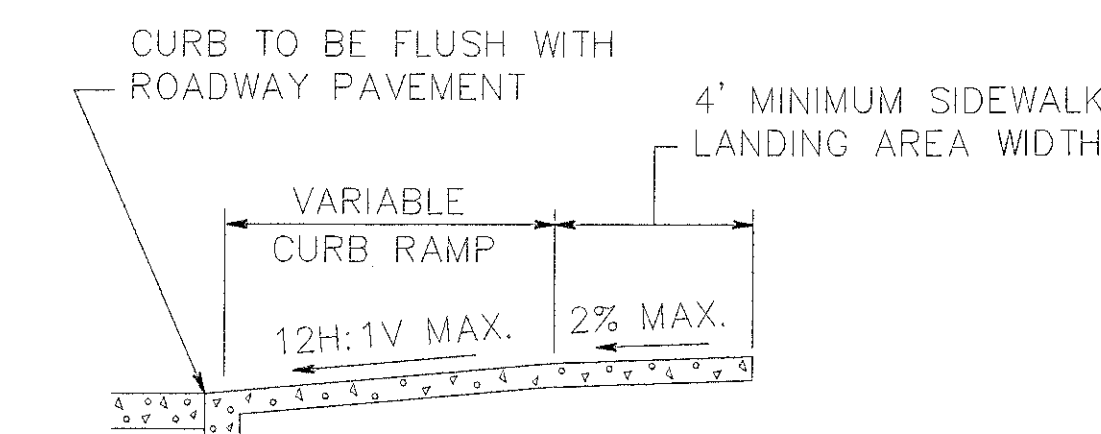
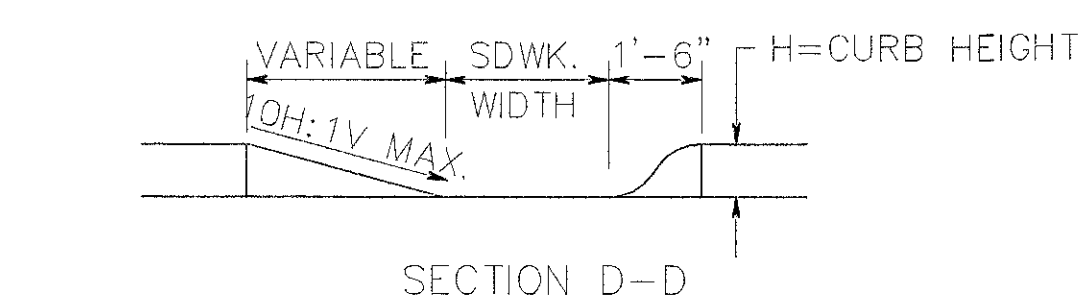
GLENN D. LINES, P.E., P.P.

9/28/12
LICENSED PROFESSIONAL ENGINEER AND PLANNER
STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4098 (P.P.)

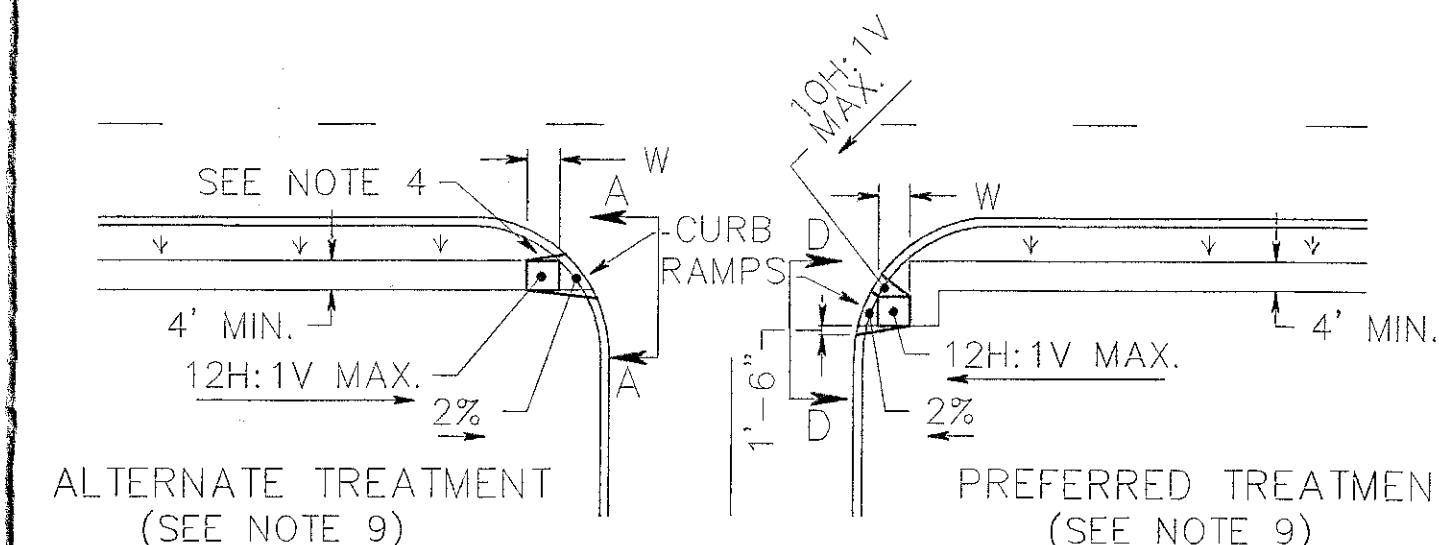
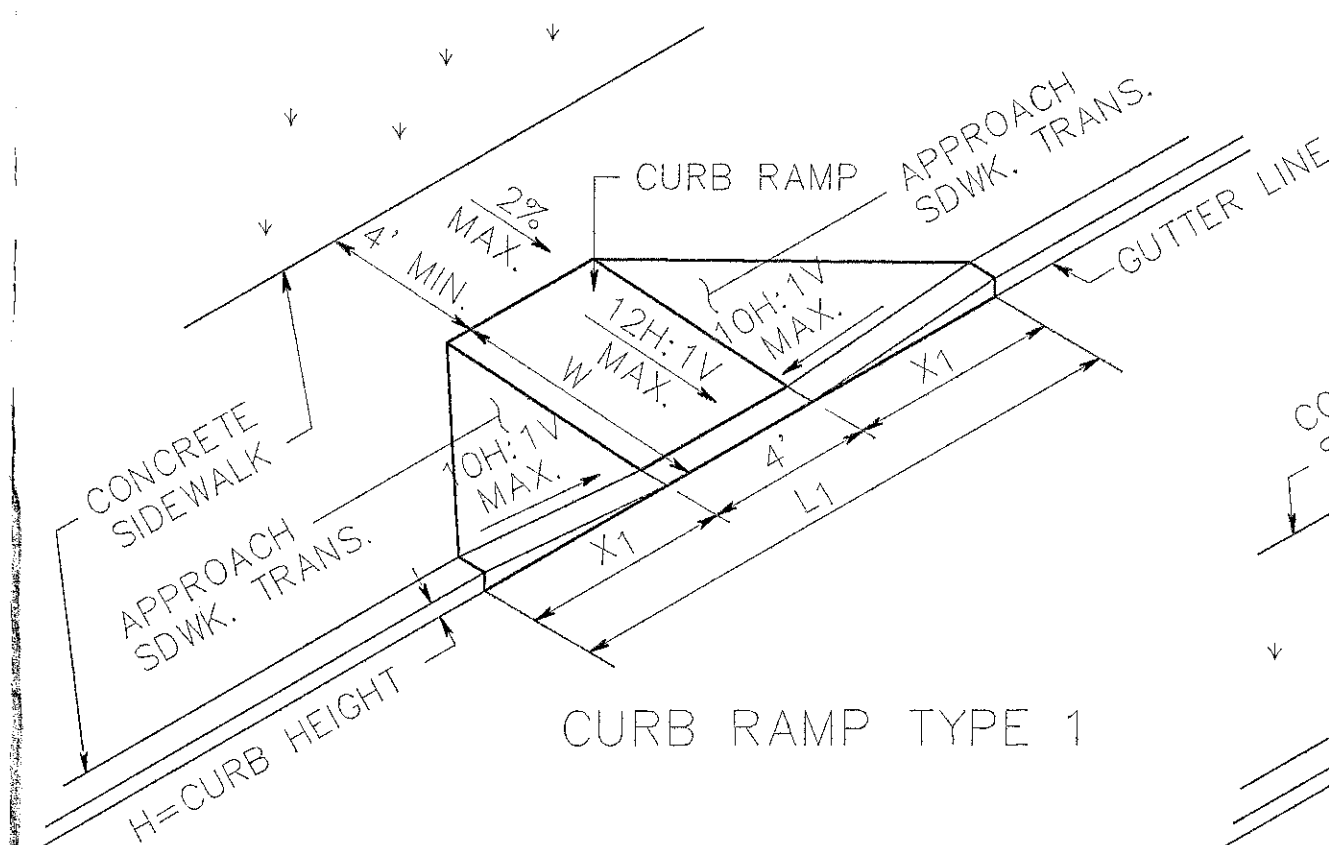
PROJECT NO. 12493
SCALE 1" = 20'
DATE 3/13/2012
SHEET 4 OF 5



NOTE:
CURB RAMP OPENING TO BE FLUSH WITH ROADWAY PAVEMENT (CURB RAMP TYPES 5 & 6).

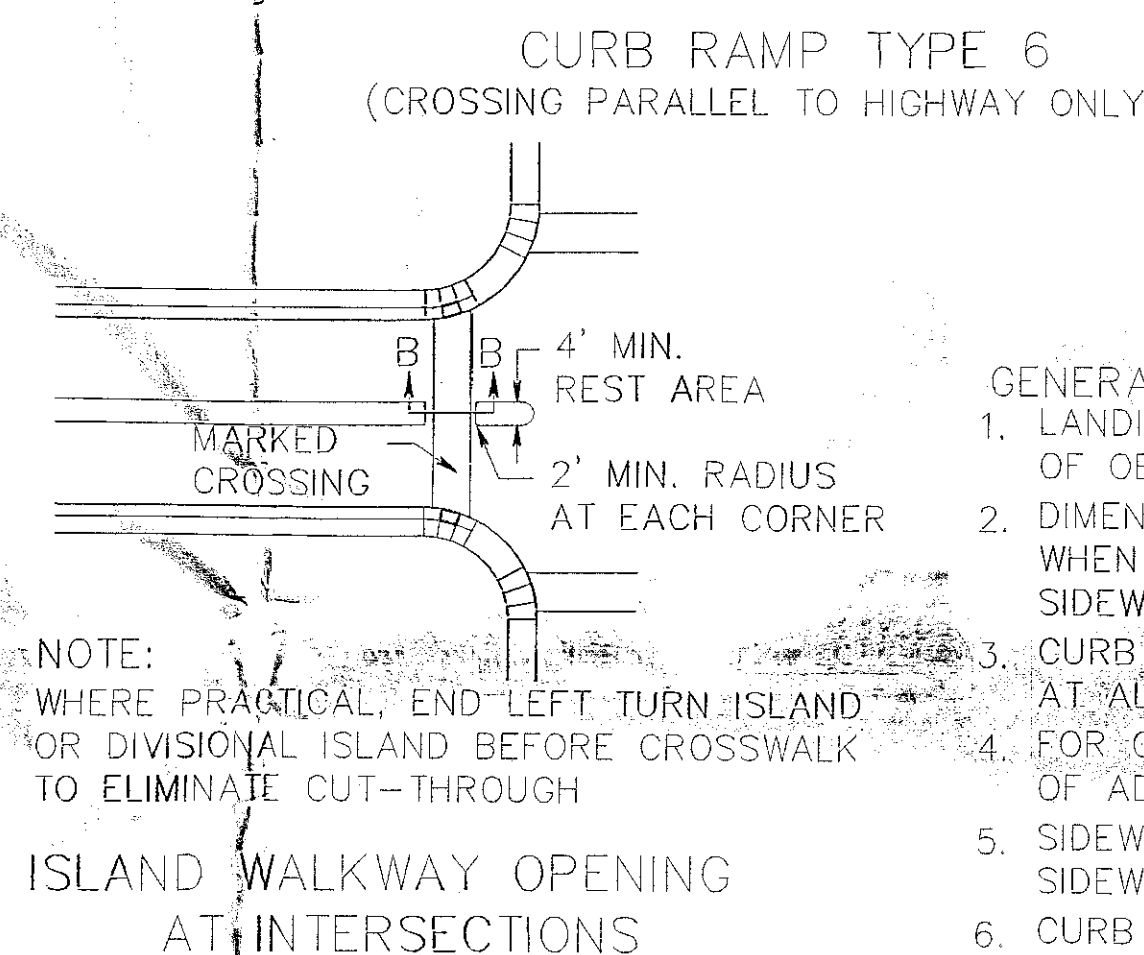


SECTION THROUGH CURB RAMPS 1 THROUGH 6 * TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1. ** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2.



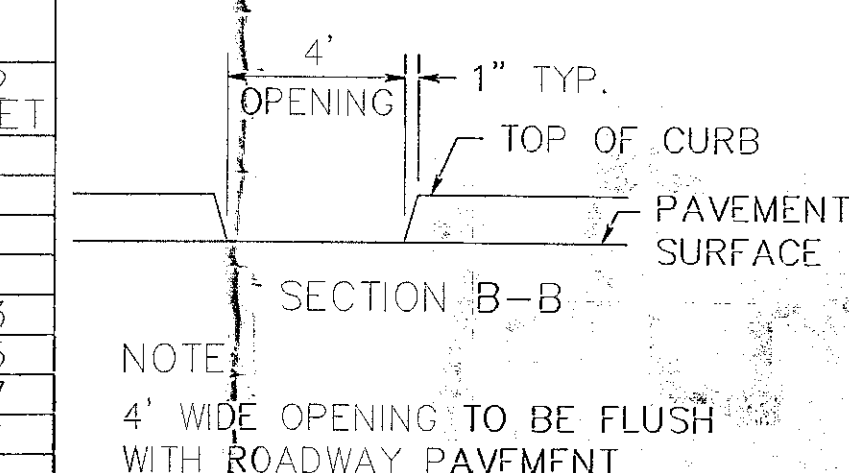
CURB RAMP TYPE 1					
H	X1	L1	W		
INCHES	FEET	FEET	FEET		
3	2.5	9.0	3		
4	3.3	10.6	4		
5	4.2	12.4	5		
6	5.0	14.0	6		
7	5.8	15.6	7		
8	6.7	17.4	8		
9	7.5	19.0	9		

CURB RAMP TYPE 2, 5 OR 6			
H	W		
INCHES	FEET		
3	3		
4	4		
5	5		
6	6		
7	7		
8	8		
9	9		

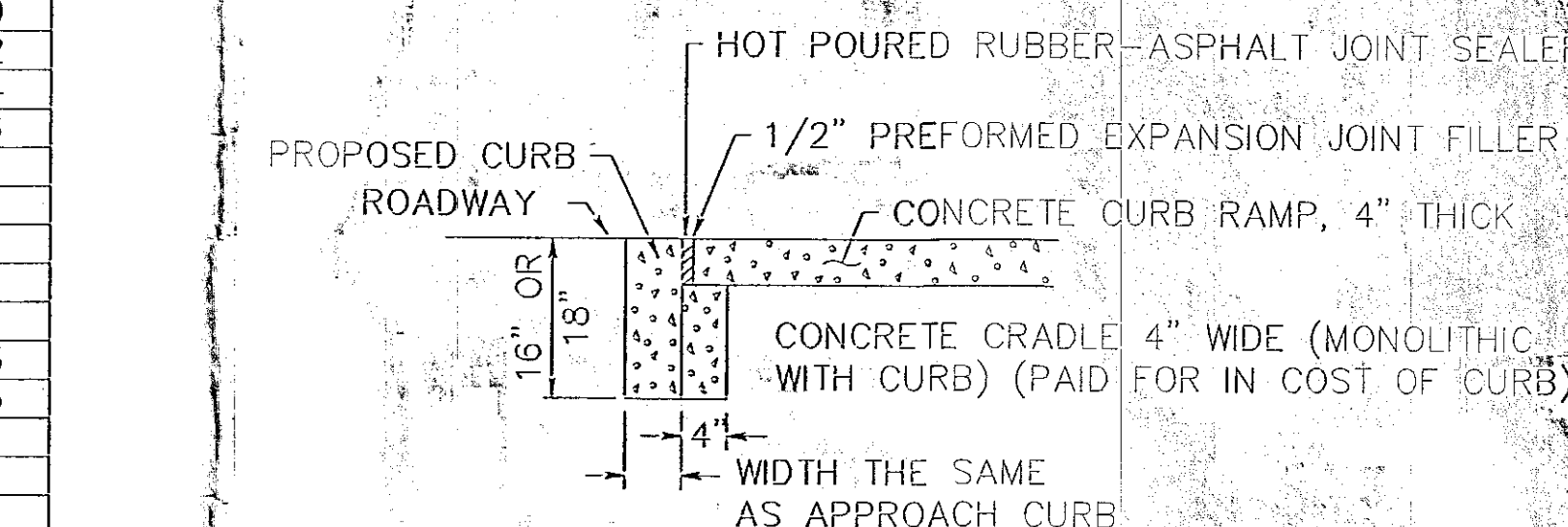


NOTE:
WHERE PRACTICAL, END-LEFT TURN ISLAND OR DIVISIONAL ISLAND BEFORE CROSSWALK TO ELIMINATE CUT-THROUGH

ISLAND WALKWAY OPENING AT INTERSECTIONS

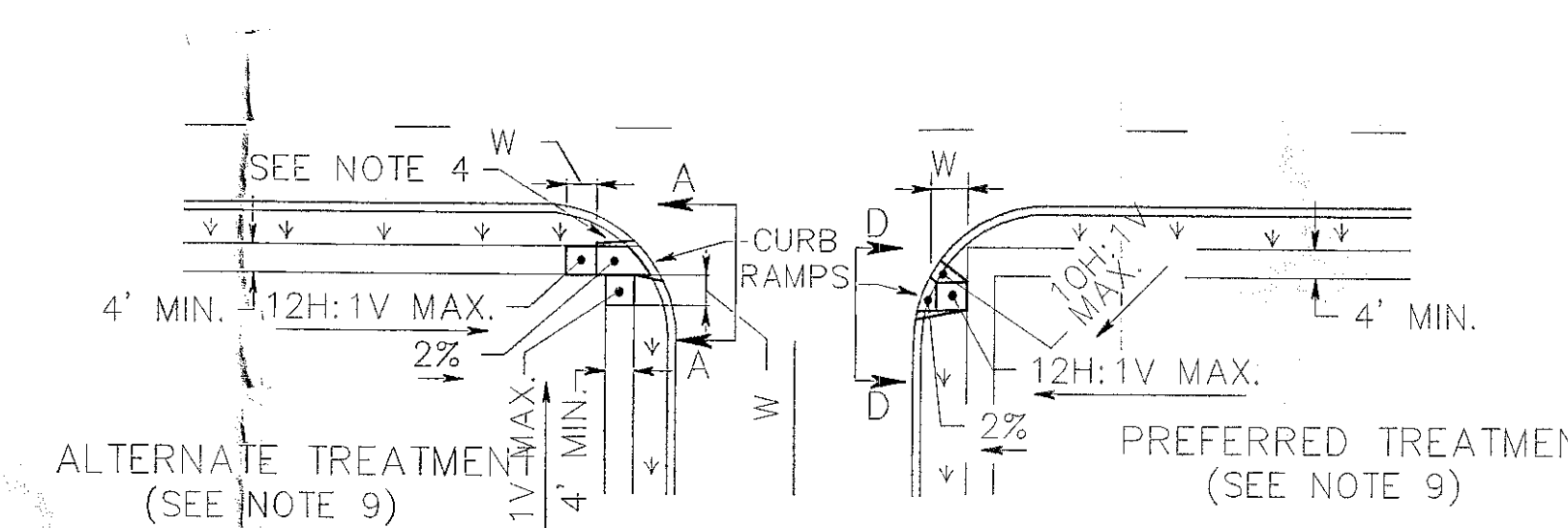


NOTE:
4' WIDE OPENING TO BE FLUSH WITH ROADWAY PAVEMENT



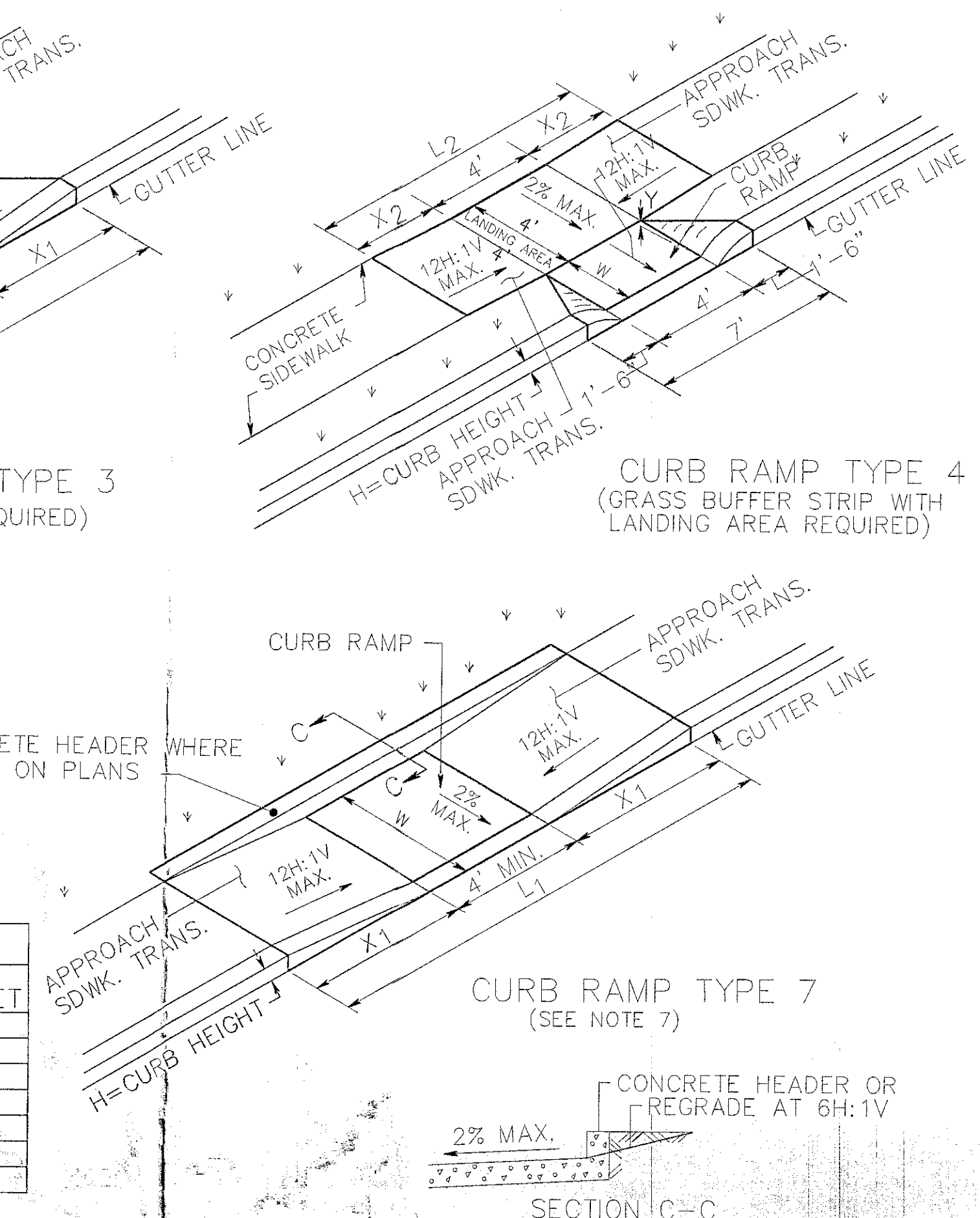
DROPPED CURB AND CRADLE

CURB RAMPS



CURB RAMP TYPE 7			
W	H	X1	L1
FEET	INCHES	FEET	FEET
4 MIN.	3	3	11
6 MAX.	4	4	13
	5	5	15
	6	6	17
	7	7	19
	8	8	21
	9	9	23

- GENERAL NOTES:
1. LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 2. DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
 3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
 4. FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
 5. SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
 6. CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
 7. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
 8. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
 9. PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
 10. DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.

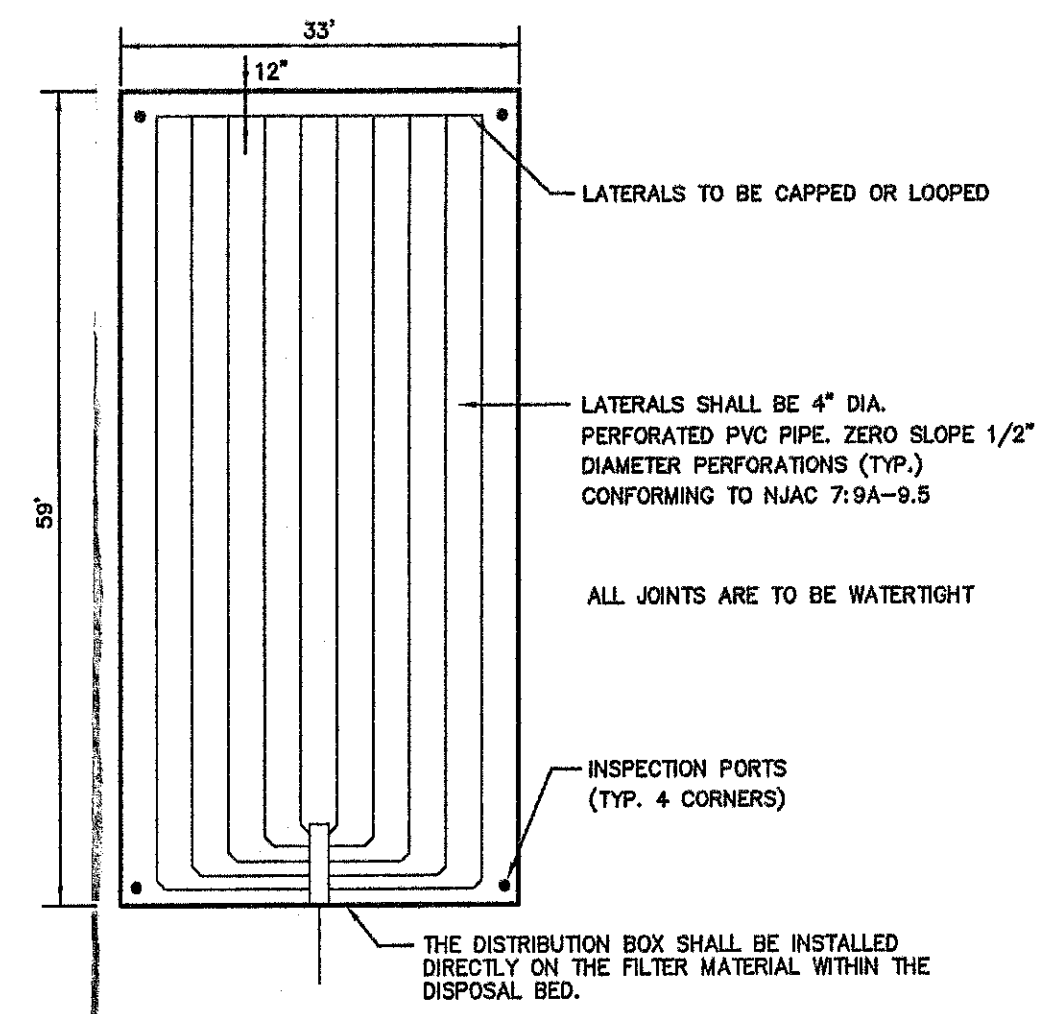


PUBLIC SIDEWALK CURB RAMP
DETECTABLE WARNING SURFACE
N.T.S.
HMA = HOT MIX ASPHALT

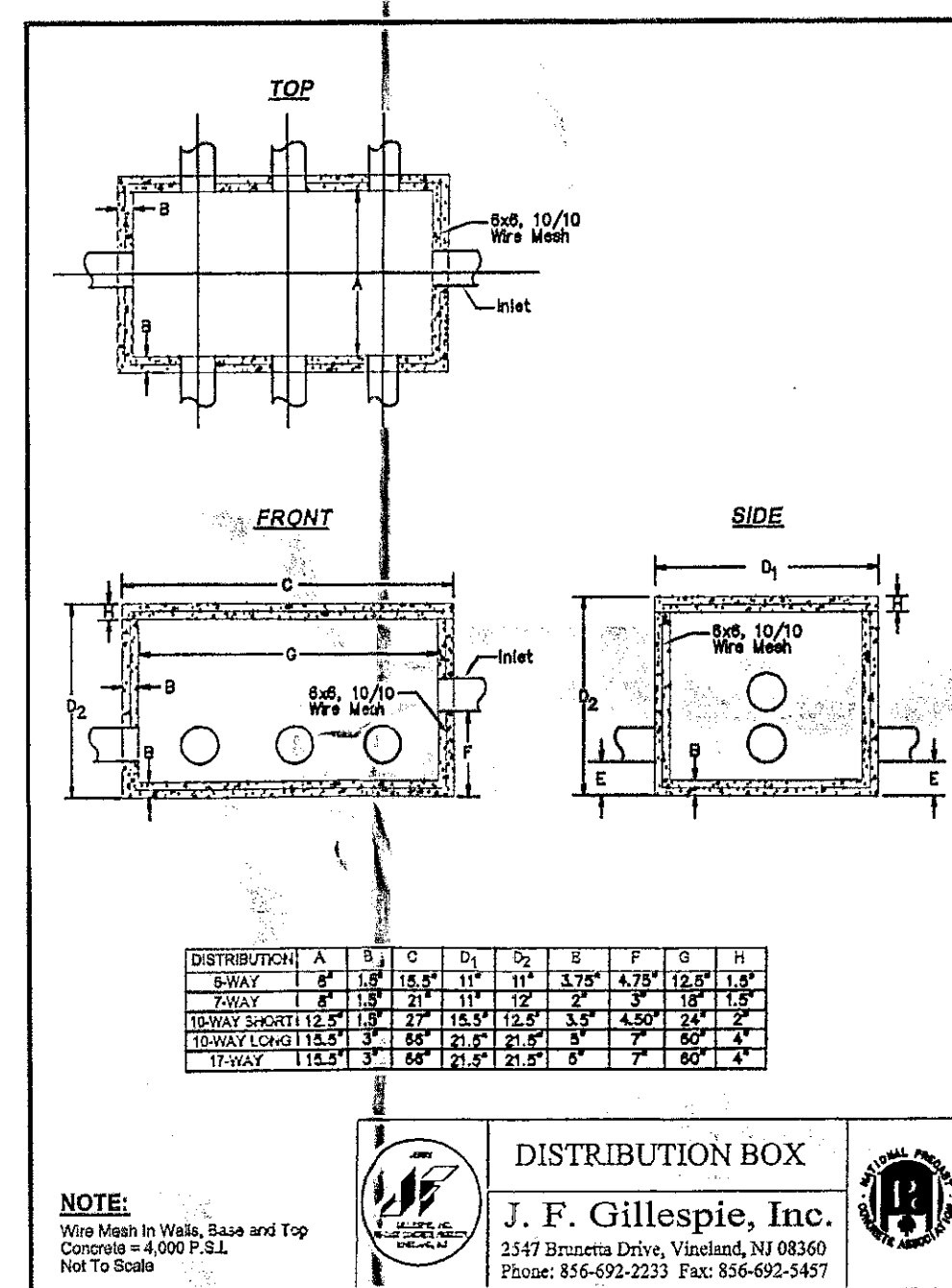
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DETAIL SHEET PROPOSED SCHOOL BLOCK 854, LOT 1 LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY	
Lines Engineering, LLC 212 Second Street, Suite 401A Lakewood, New Jersey 08701 Phone (732) 961-6846 Fax (732) 961-6847	
GLENN D. LINES, P.E., P.P. NO. 12493 DATE 3/13/2012 SHEET 5 OF 5	PROJECT NO. 12493 SCALE 1" = 20' DATE 3/13/2012 SHEET 5 OF 5

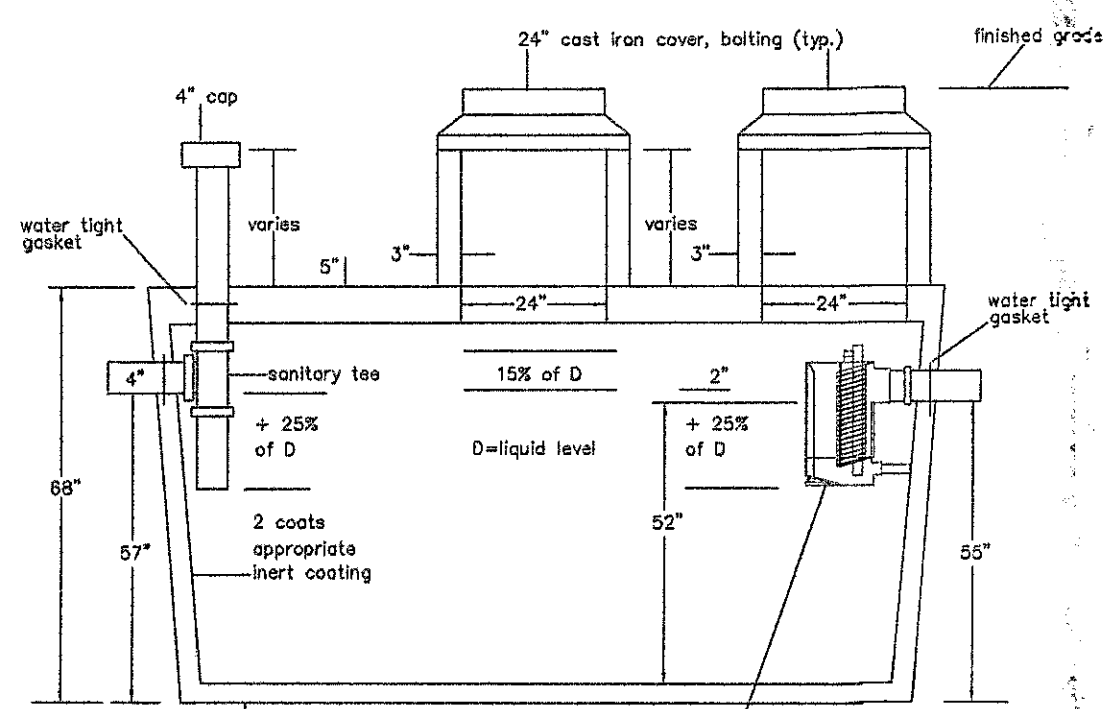
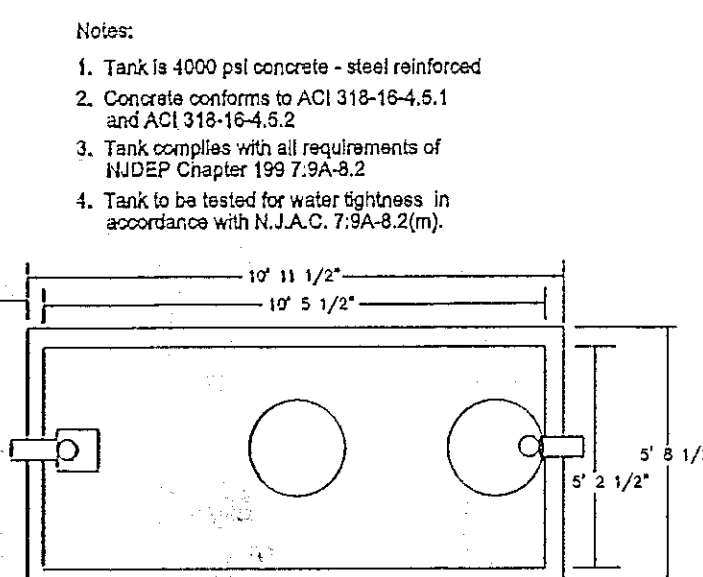
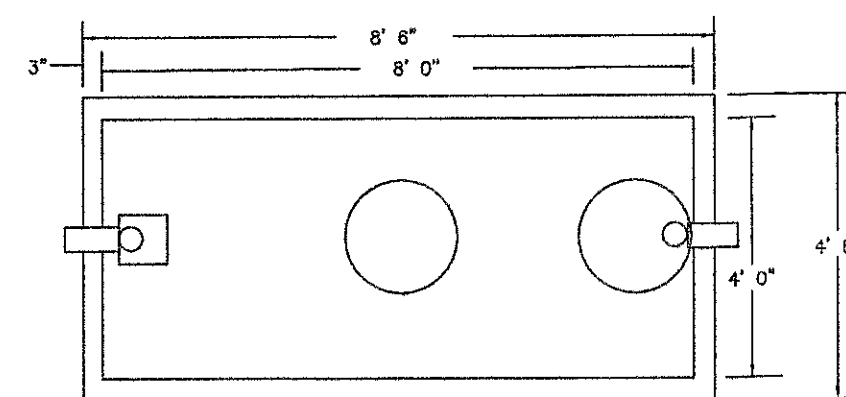
FINAL FOR
CONSTRUCTION



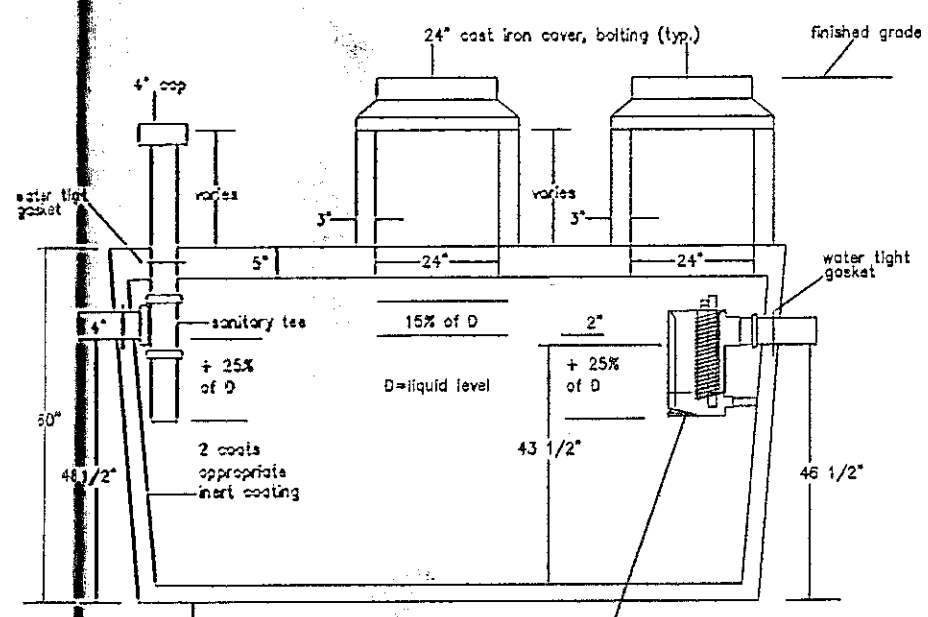
DISPOSAL FIELD PLAN VIEW
N.T.S.



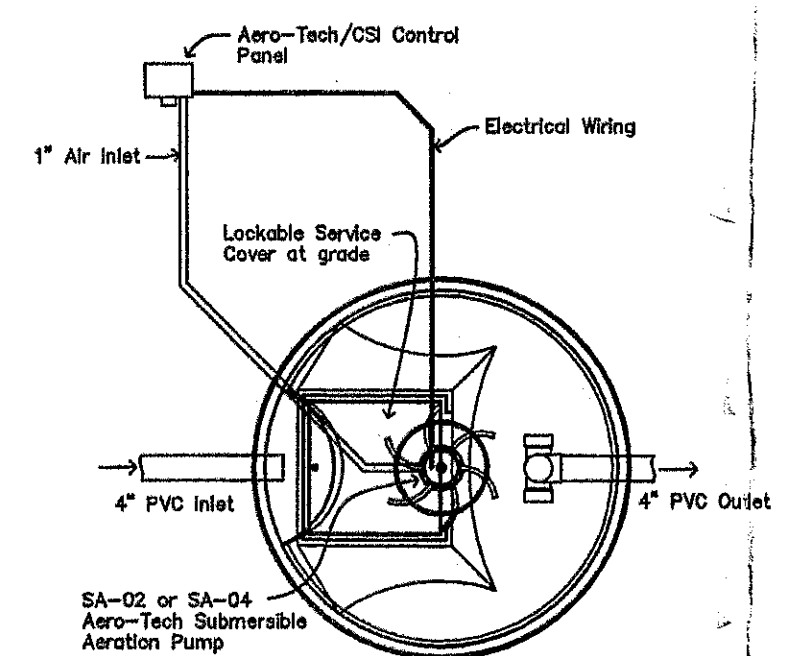
TYPICAL CASED WELL DETAIL
N.T.S.



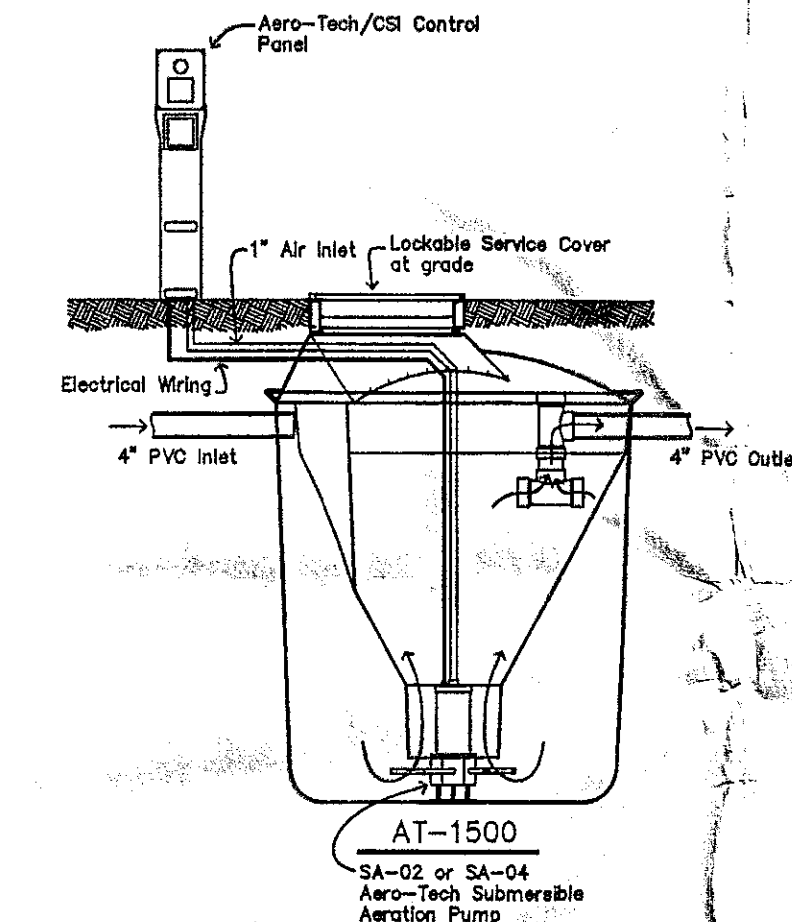
1000 GAL. SEPTIC TANK
NOT TO SCALE



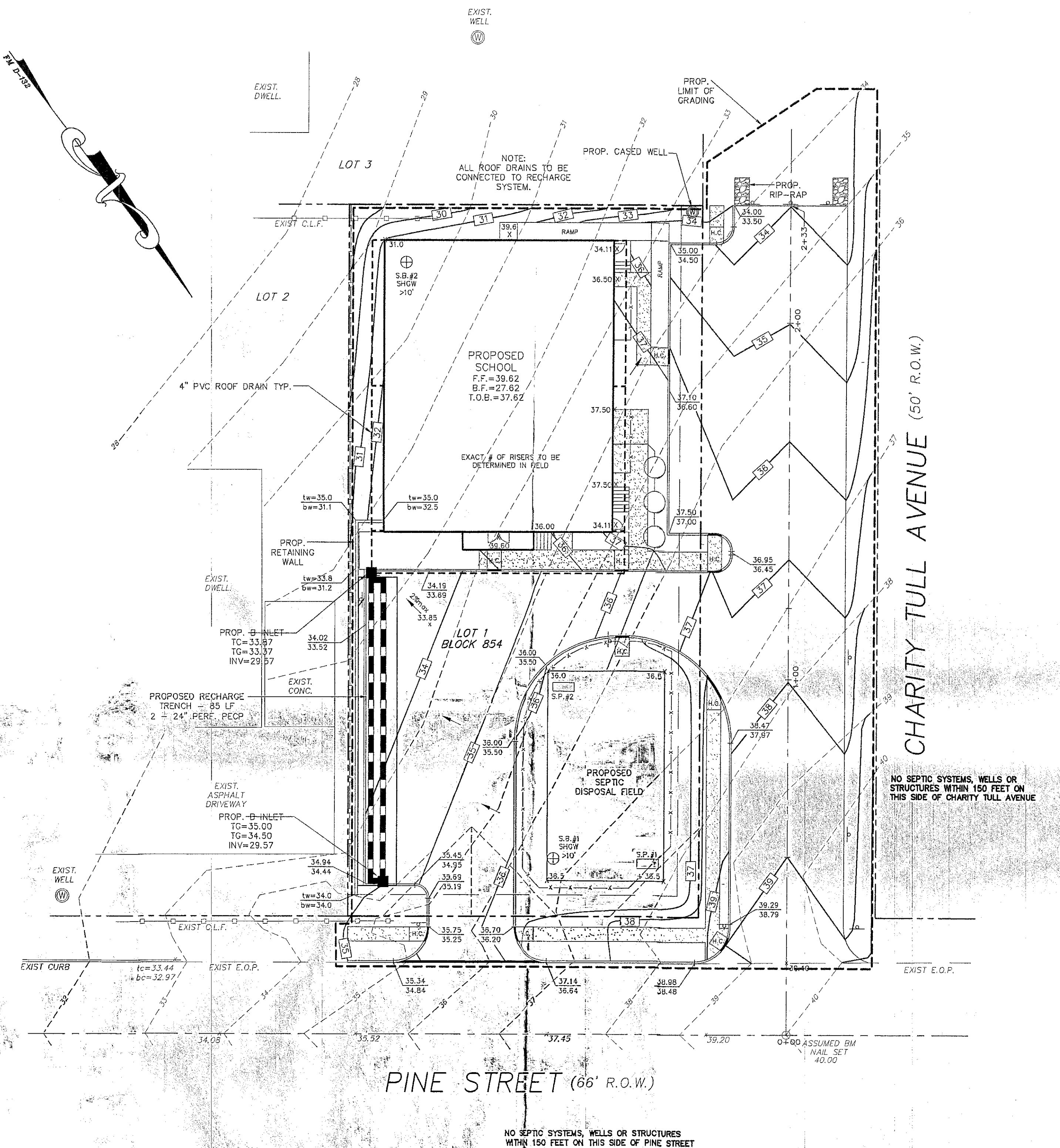
1350 GAL. SEPTIC TANK



AT-1500



AERO-TECH AT-1500 AEROBIC TREATMENT UNIT



DESIGN:

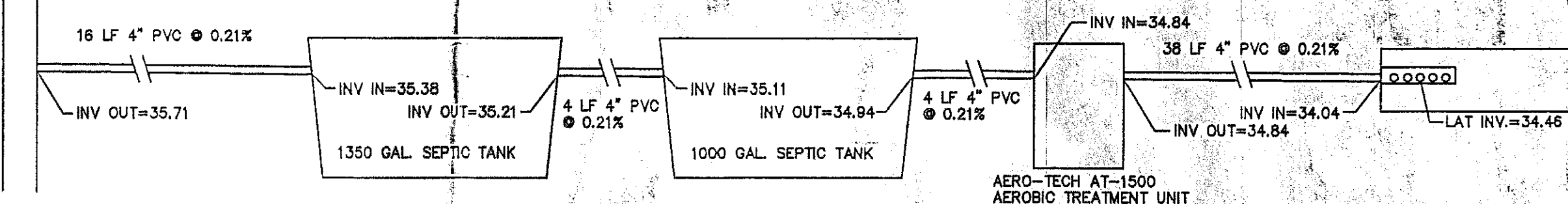
150 STUDENTS • 10 GPD PER STUDENT

$150 \times 10 = 1500 \text{ GPD}$

$1500 \times 1.233 \text{ (GRAVITY + PRE TREATMENT)} = 1,849.5$

1,849.5 S.F. REQUIRED

1,947 S.F. PROVIDED (33' X 59')



AERO-TECH AT-1500
AEROBIC TREATMENT UNIT

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SEPTIC SYSTEM AND WELL PLAN

PROPOSED SCHOOL

PROPOSED SCHOOL
BLOCK 854 LOT 1

BLOCK 654, LOT 1
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Lines Engineering, LLC

212 Second Street, Suite 401A

Lakewood, New Jersey 08701

Phone: (732) 961-6846 Fax: (732) 961-6847

D. LINES, P.E., P.P.

NO.	SCALE
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DATE

9/28/12

ENGINEER AND PLANNER
 LICENSE NO. 33011 (P.E.) 4066 (P.P.)
