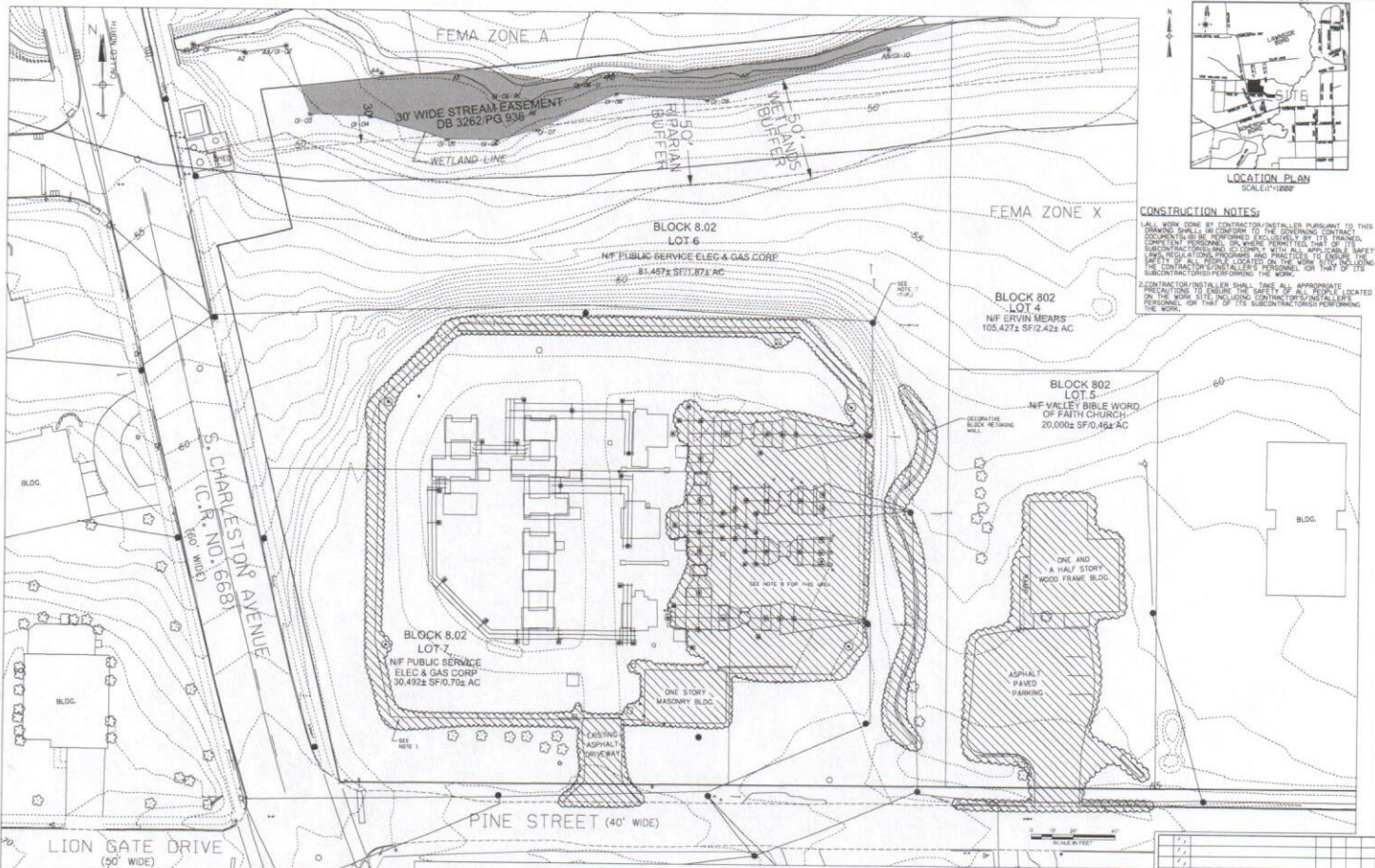




LOCATION PLAN
SCALE: 1"=100'

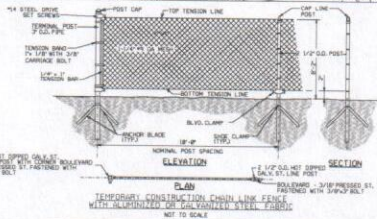
CONSTRUCTION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEW JERSEY CONSTRUCTION CODES AND THE NEW JERSEY ELECTRICAL CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

- NOTES:**
1. TEMPORARY FENCE AND GATES SHALL BE INSTALLED TO MATCH THE FINAL FENCE PLAN. TEMPORARY FENCE SHALL BE CONSTRUCTED WITH 4' HIGH PLYWOOD SHEETING AND 2" X 4" POSTS. TEMPORARY FENCE SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT. TEMPORARY FENCE SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
 2. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 3. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 4. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 5. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 6. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 7. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 8. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 9. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.
 10. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED. ANY UTILITIES THAT ARE FOUND TO BE IN THE WAY OF THE PROJECT SHALL BE RELOCATED OR DELETED.

LEGEND

EXISTING COMPLETE



CALL BEFORE YOU DIG
NEW JERSEY LAW REQUIRES
BUSINESS DAYS FOR A HOURS OUT
BEFORE DIGGING WITHIN 48 HOURS
TICKET EXPIRES IN 48 HOURS
NEW JERSEY ONE CALL
1-800-272-1000

SYSTEM CODE 2140

NEW JERSEY ONE CALL

GENERAL NOTES

USE PRINTS OF LATEST REVISION ONLY.

DO NOT SCALE. USE DIMENSIONS ONLY.

FOR LIST OF REVISIONS SEE SHEET NO. 1 OF 1 SHEETS.

THIS DRAWING IS SHEET NO. 1 OF 1 SHEETS.

EUGENE R. PORZIO

N.J. PROFESSIONAL ENGINEER

C.O.A. 240277-100

REVISION

LAWNSIDE SUBSTATION

64/12KV SUBSTATION

REMOVAL PLAN

CIVIL ELECTRICAL

PSEG

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

ELECTRIC DELIVERY COMPANY - ASSET RELIABILITY DIVISION

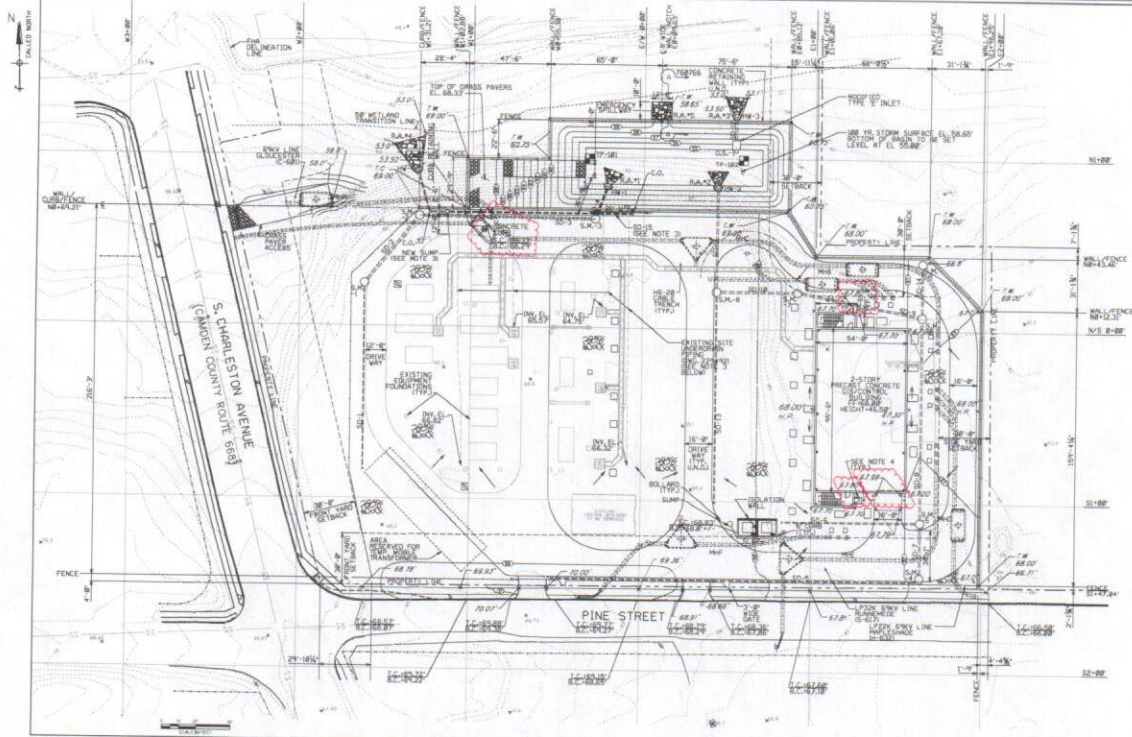
DATE: 08/27/2019

SCALE: 1"=100'

760772 A

-0

12	11	10	9	8	7	6	5	4	3	2	1	0
12	11	10	9	8	7	6	5	4	3	2	1	0



LEGEND

- FENCE
- PROPERTY
- STREET
- CITY
- EXIST. SPOT ELEV. 101.73
- PROP. SPOT ELEV. 101.63
- PROP. SPOT ELEV. 101.63
- B.C.
- CATCH BASIN
- H.P.
- HIGH POINT
- T.W.
- TOP OF WALL
- B.W.
- BOTTOM OF WALL
- WATERWAYS W/ADJUST
- T.C.
- TOP OF CURB
- EX.
- EXISTING
- H.H.
- HATCHOLE
- H.W.
- HEADWALL
- H.E.
- ELECTRICAL MANHOLE
- O.S.
- OUTLET STRUCTURE
- R.A.
- RIP-RAP APRON
- S.M.
- STORM MANHOLE
- B.M.
- BENCH MARK
- T.P.
- TEST PIT
- R.P.
- RIP-RAP
- G.P.
- GRASS PAVERS
- C.M.
- CONCRETE MANHOLE APRON
- D.F.D.
- DRAINAGE FLOW DIRECTION

CALL BEFORE YOU DIG
NEW JERSEY LAW REQUIRES
BUSINESS DAYS FOR A WORK DAY
RECORD DATES TO 48 BUSINESS DAYS
JERSEY ONE CALL
1-800-272-1000

STORM DRAIN (SD) SCHEDULE					NOTES
PIPE	SIZE	TYPE	IN/OUT	LENGTH (FT)	
SD-1	8" DIA.	SD-48	55.88	22.89	18.0' UPSTREAM
SD-2	10" DIA.	SD-48	56.32	57.86	45.0' UPSTREAM
SD-3	10" DIA.	SD-48	57.76	56.78	45.0' UPSTREAM
SD-4	10" DIA.	SD-48	56.88	55.89	21.0' UPSTREAM
SD-5	8" DIA.	SD-48	56.52	54.87	7.0' UPSTREAM
SD-6	8" DIA.	SD-48	56.52	54.87	7.0' UPSTREAM
SD-7	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-8	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-9	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-10	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-11	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-12	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-13	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-14	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-15	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM

STORM DRAIN SCHEDULE					NOTES
PIPE	SIZE	TYPE	IN/OUT	LENGTH (FT)	
SD-1	8" DIA.	SD-48	55.88	22.89	18.0' UPSTREAM
SD-2	10" DIA.	SD-48	56.32	57.86	45.0' UPSTREAM
SD-3	10" DIA.	SD-48	57.76	56.78	45.0' UPSTREAM
SD-4	10" DIA.	SD-48	56.88	55.89	21.0' UPSTREAM
SD-5	8" DIA.	SD-48	56.52	54.87	7.0' UPSTREAM
SD-6	8" DIA.	SD-48	56.52	54.87	7.0' UPSTREAM
SD-7	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-8	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-9	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-10	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-11	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-12	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-13	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-14	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM
SD-15	10" DIA.	SD-48	62.49	52.29	28.5' UPSTREAM

PLAN
SCALE = 1" = 20' 0"

1. FOR AREA BOTTOM PROFILE OF LAYER OF SOIL AND SANDS, SEE ENCL. WITH PERMANENTLY STABLE SOILS, OR SOILS NOT STABLE, SEE ENCL. WITH PERMANENTLY STABLE SOILS.

2. STORMWATER DETENTION TEST SITES ARE AS PROVIDED BY LANDOWNER FOR ADDITIONAL CONSTRUCTION.

3. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

4. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

5. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

6. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

7. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

8. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

9. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

10. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

11. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

12. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

13. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

14. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

15. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

16. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

17. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

18. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

19. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

20. DETENTION OF SOIL DATES 5/1/2008 TO 1/1/2009 FOR LANDOWNER'S USE.

LIST OF DRAWINGS FOR DRAINAGE SYSTEM DETAILS	
HEADWALLS	760765
RIP-RAP APRONS	760766
STORM MANHOLE	760767
UNDERDRAIN	760768
PIPE BEDDING	760769
OUTLET STRUCTURE	760770
RIP-RAP SPILLWAY	760771

CONSTRUCTION NOTES:

ALL WORK DONE BY CONTRACTOR/INSTALLER PURSUANT TO THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS OF THE STATE OF NEW JERSEY, LATEST EDITION, AND ANY AMENDMENTS THERE TO.

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE INCLUDING CONTRACTOR/INSTALLER'S PERSONNEL AND OF THE SUBSISTING TRAFFIC PERFORMING THE WORK.

REVISION

NO.	DATE	DESCRIPTION	BY	CHK	APP
1					
2					
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20					

DESIGN (DWG. 760764) NEW ELEV. 64.27

GENERAL NOTES

USE PRINTS OF LATEST REVISION ONLY.

DO NOT SCALE - USE DIMENSIONS ONLY.

FOR LIST OF REVISIONS OWNED SEE DRAWING NO. 760764.

THIS DRAWING SUFFERS NONE.

THIS DRAWING IS SHEET NO. 1 OF 1 SHEETS.

EUGENE R. PORTO

DATE 2008.05.18

14.14.00.0000

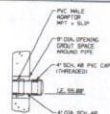
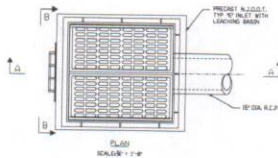
N.J. PROFESSIONAL ENGINEER

LIC. NO. 34471

E.R. 06/24/2008

760764 A

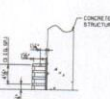
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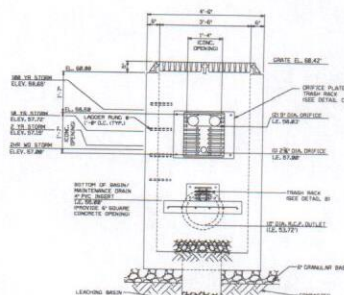
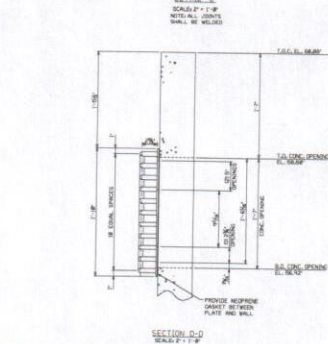
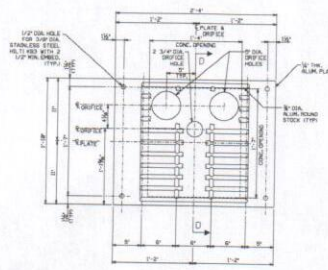
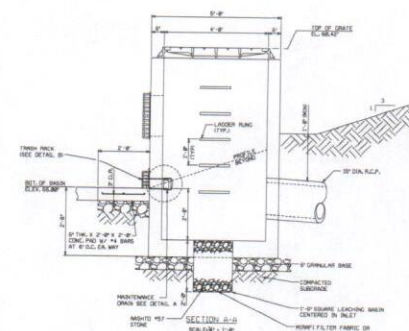
DETAIL A
SCALE: 1/4\"/>



DETAIL B
SCALE: 1/4\"/>

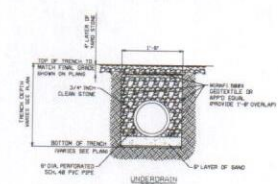


DETAIL C
SCALE: 1/4\"/>

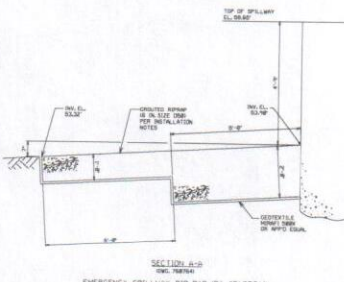


- NOTES:
1. PRECAST ALUMINUM TYPE 304 INLET MANHOLE LEACHING BASIN SHALL BE PRECAST ALUMINUM TYPE 304 INLET MANHOLE LEACHING BASIN.
 2. PRECAST ALUMINUM TYPE 304 INLET MANHOLE LEACHING BASIN SHALL BE PRECAST ALUMINUM TYPE 304 INLET MANHOLE LEACHING BASIN.
 3. TRASH RECEPTOR SHALL BE PRECAST ALUMINUM TYPE 304 INLET MANHOLE LEACHING BASIN.

OUTLET STRUCTURE
DETAIL
SCALE: 1/4\"/>



SECTION A-A
SCALE: 1/4\"/>



SECTION B-B
SCALE: 1/4\"/>

INSTALLATION NOTES

1. THE BASE COURSE OF THE SPILLWAY SHALL BE CONCRETE WITH A MINIMUM OF 4\"/>

NO.	DESCRIPTION	DATE	BY	CHKD	APPD
1	REVISION				

LAWNSIDE SUBSTATION
OUTLET STRUCTURE
DETAILS

PSEG
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
ELECTRIC DELIVERY COMPANY - ASSET RELIABILITY, NEWARK, NJ

DATE: 12/11/10
DRAWN: J. P. MORRIS
CHECKED: J. P. MORRIS
SCALE: 1/4\"/>

760766 A



LEGEND:

- LIMIT OF DISTURBANCE
- SILT FENCE
- FENCE
- PROPERTY SETBACK
- PROPERTY LINE
- EXIST. SPOT ELEV. 1
- EXIST. CONTOUR
- PROP. SPOT ELEV. 68.65
- PROP. CONTOUR
- H.P. HIGH POINT
- T.W. TOP OF WALL
- W.M. WATERBOUND MACADAM
- T.C. TOP OF CURB
- EX. EXISTING
- HW. HANDHOLE
- HH. HEADHOLE
- HH. MANHOLE
- S.S. OUTLET STRUCTURE
- R.A. ROP-RAP APRON
- S.A. STORM MANHOLE
- S.L.P.V. STATION LIGHT AND POWER TRANSFORMERS
- ROP-RAP
- YARD STONE
- GRASS PAVERS
- FLOW ARROW
- STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION NOTES:

1. ALL WORK SHALL BE DONE BY CONTRACTOR/INSTALLER PURSUANT TO THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF THE NEW JERSEY TURNPIKE AUTHORITY AND ALL COUNTY WITH ALL APPLICABLE SAFETY REGULATIONS AND ALL COUNTY WITH ALL APPLICABLE SAFETY REGULATIONS. THE CONTRACTOR/INSTALLER SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK AREA DURING THE CONSTRUCTION. THE CONTRACTOR/INSTALLER SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK AREA DURING THE CONSTRUCTION. THE CONTRACTOR/INSTALLER SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK AREA DURING THE CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1					
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4					
5					

REVISION

LAWNSIDE SUBSTATION
69713 KV SUBSTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN

PSEG

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
ELECTRIC DELIVERY COMPANY - ASSET RELIABILITY, NEWARK, N.J.

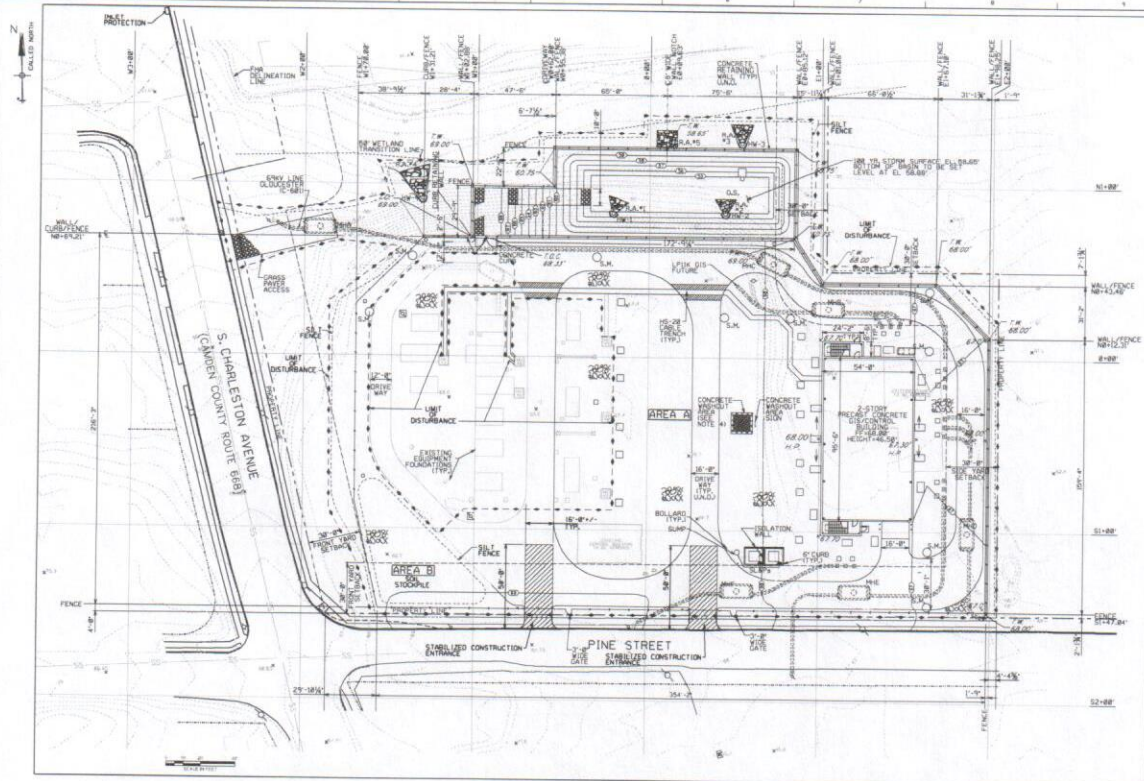
DATE: 10/1/2021
BY: EUGENE R. PORTO
CHECKED: _____
APPROVED: _____

760769 A -0

NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1					
2					
3					
4					
5					

EUGENE R. PORTO
N.J. PROFESSIONAL ENGINEER
LIC. NO. 24421
C.O.A. NO. 177100



PLAN
SCALE: 1" = 20'-0"

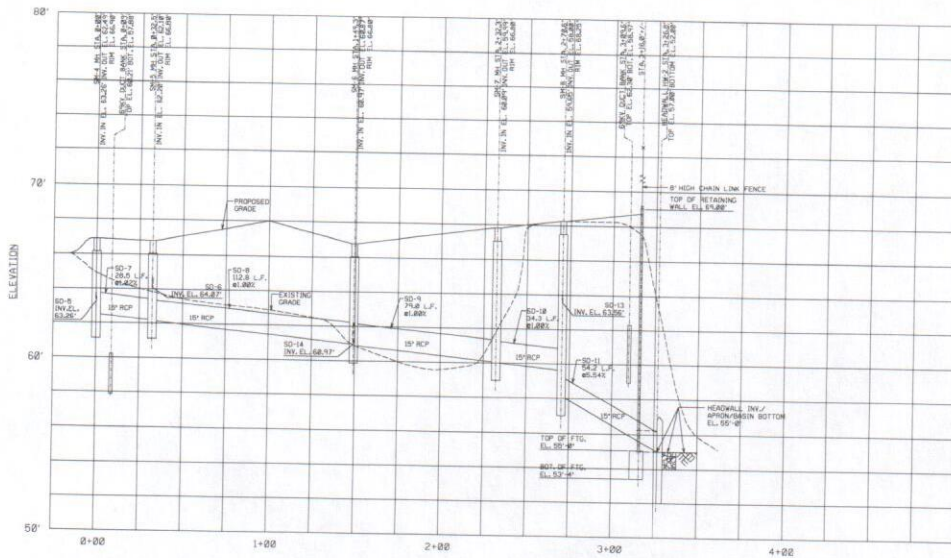
DISTURBED AREAS	
AREAS	SQ. FT. ACRES
A	77,789 1.79
B	2,961 0.07
TOTAL	80,750 1.86

NOTES:

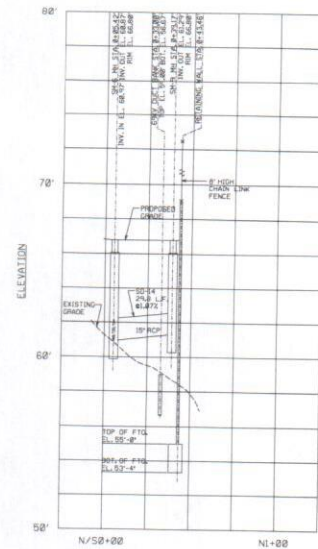
- FOR SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS SEE DRAWINGS 76877A AND 76877B.
- FOR DRAINAGE SYSTEM PLAN SEE DWG. 76878A.
- STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL AND NOTE 11 PROVIDED ON DWG. 76877C.
- RELOCATE CONCRETE WASHOUT AREA AS NEEDED DURING CONSTRUCTION.

CALL BEFORE YOU DIG
NEW JERSEY LAW REQUIRES 3 BUSINESS DAYS FOR A "CALL BEFORE YOU DIG" TICKET TO BE ISSUED. TICKET EXPIRES IN 45 BUSINESS DAYS.
NEW JERSEY ONE CALL
1-800-272-1000

SEQUENCE OF CONSTRUCTION - EXPANSION YARD MAR 2021- DEC 2021	
ACTIVITY	DURATION
INSTALL SILT FENCE, INLET PROTECTION & CONSTRUCTION ENTRANCE	10
INSTALL BROWN AND SILVER STRIPES FOR PHASE 1 (ON 11)	10
ADVANCE OF ANY UNLAPED SOIL DISTURBANCE (SEE NOTE 31 ON DWG. 76877C)	30
INSTALL PERMANENT OF DRAINAGE/STORMWATER MANAGEMENT FEATURES CONNECTED TO BASIN	30
GRADE SUBSTATION SITE TO DRAINAGE/STORMWATER MANAGEMENT FEATURES	30
PERFORM CIVIL CONSTRUCTION INCLUDING CONCRETE FOUNDATION	30
INSTALL CRUSHED STONE & PERMANENT STABILIZATION	15
INSTALL ELECTRICAL WORK (SEE DETAIL, EQUIP. CABLE)	60
INSTALL 100 SAND IN BASIN PHASE 2 (SEE NOTE 31 ON DWG. 76877C)	60
REMOVAL OF SEDIMENTATION CONTROLS	5



STATION
HOLDING PIPE LENGTHS
SCALE: 1" = 20'-0" HORIZ.
1/4" = 4' VERT.



STATION
SCALE: 1" = 20'-0" HORIZ.
1/4" = 4' VERT.

NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1	01/11/2011	ISSUED FOR PERMIT	E.A.P.		
2	01/11/2011	REVISED FOR PERMIT	E.A.P.		
3	01/11/2011	REVISED FOR PERMIT	E.A.P.		
4	01/11/2011	REVISED FOR PERMIT	E.A.P.		
5	01/11/2011	REVISED FOR PERMIT	E.A.P.		
6	01/11/2011	REVISED FOR PERMIT	E.A.P.		
7	01/11/2011	REVISED FOR PERMIT	E.A.P.		
8	01/11/2011	REVISED FOR PERMIT	E.A.P.		
9	01/11/2011	REVISED FOR PERMIT	E.A.P.		
10	01/11/2011	REVISED FOR PERMIT	E.A.P.		
11	01/11/2011	REVISED FOR PERMIT	E.A.P.		
12	01/11/2011	REVISED FOR PERMIT	E.A.P.		

STATION 1000.000
ELEV. 642.2

GENERAL NOTE:
USE PRINTS OF LATEST REVISION ONLY.
DO NOT SCALE - USE DIMENSIONS ONLY.
FOR LIST OF REFERENCE DIMENSIONS SEE
DRAWING NO. 70000.

THIS DRAWING IS SHEET NO. 2 OF 2 SHEETS.

EUGENE A. PORZIO

PROF. ENGINEER
E.C. NO. 34423
C.O.G. 2002/07/00

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1	01/11/2011	ISSUED FOR PERMIT	E.A.P.		
2	01/11/2011	REVISED FOR PERMIT	E.A.P.		
3	01/11/2011	REVISED FOR PERMIT	E.A.P.		
4	01/11/2011	REVISED FOR PERMIT	E.A.P.		
5	01/11/2011	REVISED FOR PERMIT	E.A.P.		
6	01/11/2011	REVISED FOR PERMIT	E.A.P.		
7	01/11/2011	REVISED FOR PERMIT	E.A.P.		
8	01/11/2011	REVISED FOR PERMIT	E.A.P.		
9	01/11/2011	REVISED FOR PERMIT	E.A.P.		
10	01/11/2011	REVISED FOR PERMIT	E.A.P.		
11	01/11/2011	REVISED FOR PERMIT	E.A.P.		
12	01/11/2011	REVISED FOR PERMIT	E.A.P.		

REVISION
LAWNSIDE SUBSTATION
DRAINAGE PIPE PROFILES
SHEET 2 OF 2

YARD CIVIL/ENVR

PSEG
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
ELECTRIC DELIVERY COMPANY - ASSET RELIABILITY, NEWARK, NJ

DRAWN BY: E.A.P. CHECKED BY: A.P. SCALE: AS SHOWN
DATE: 01/11/2011 EXAMINED BY: E.A.P.
APPROVED BY: E.A.P. APPROVED BY: E.A.P.
APPROVED BY: E.A.P.

607774 A -0

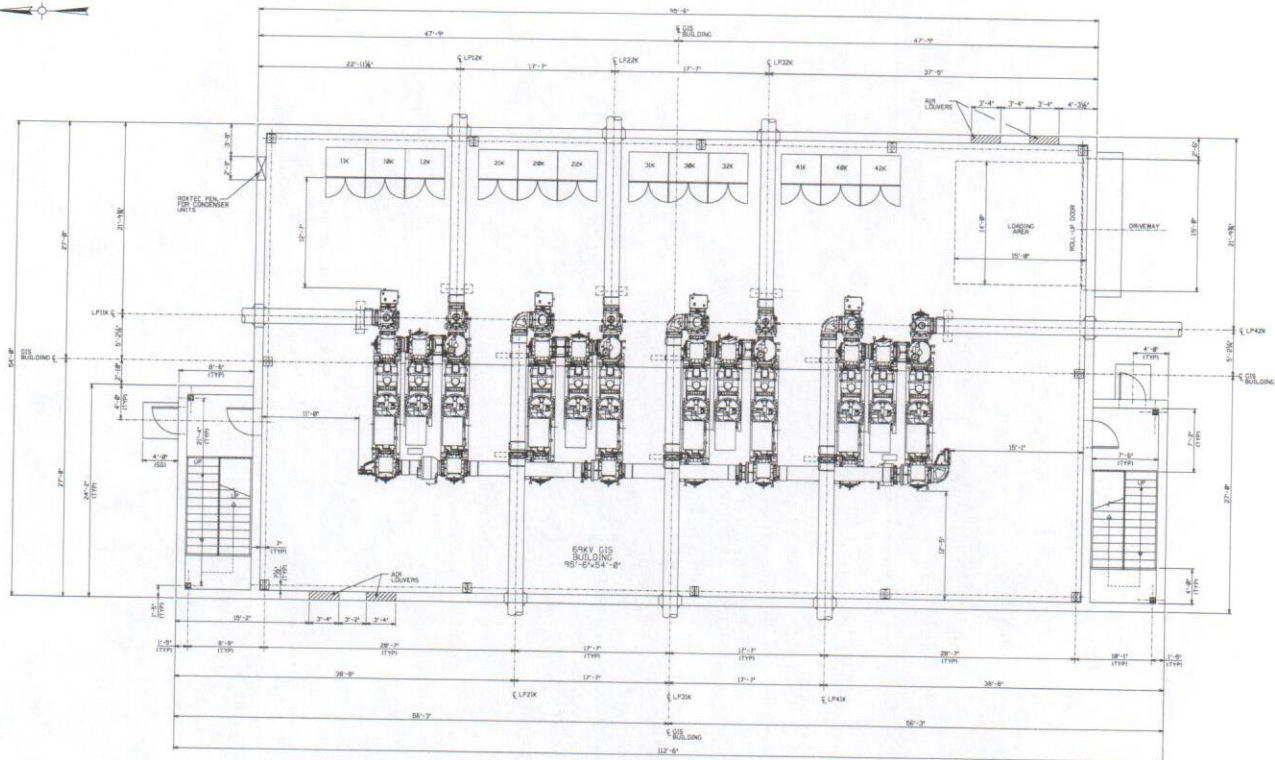


2. BUILDING IS TO BE PRECAST CONCRETE WALL PANELS OVER STEEL FRAMING AND BE IN ACCORDANCE WITH PSE&B SPEC-18-CIVIL-2 COMPOSITE PRE-ENGINEERED G/S HALL, CONTROL ROOM BUILDINGS FOR SWITCHING AND SUBSTATIONS; EXTERIOR FINISHES/COLORS TO BE AGREED UPON BETWEEN PSE&B AND THE BOROUGH OF LANSHIRE.

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GIS BUILDING
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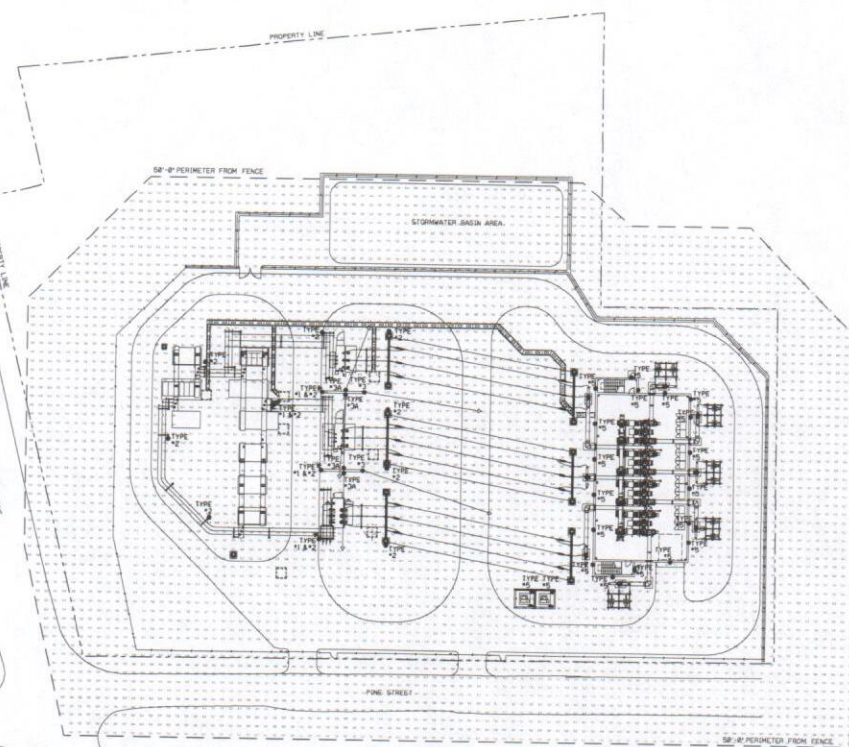
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GENERAL NOTES
USE PRINTS OF LATEST REVISION ONLY.
DO NOT SCALE - USE DIMENSIONS ONLY.
FOR LIST OF REFERENCE DRAWINGS SEE
DRAWING NO. THIS DRAWING _____
THIS DRAWING SUPERSEDES NONE _____

DRAWING IS SHEET NO. 1 OF 1 SHEETS. EUGENE R. PORZIO		DESIGNER: SERVICE ELECTRIC AND WAYS COMPANY ELECTRICAL DELIVERY COMPANY - ASSET RELIABILITY, NEWARK, N.J.	
DRAWN: J. J. ZIMMERMAN DATE: 03/20/2008 WGS/GSO: J. J. ZIMMERMAN		CHECKED: M. J. ALLEN EXAMINED: _____ APPROVED: _____	
N.J. PROFESSIONAL ENGINEER LISC NO. 34423 C.O.A. 24042711000		MARGENT & LUNDY 738075 A - 0	

NOT FOR CONSTRUCTION

REFERENCE DRAWINGS:	
1. KEY PLAN AND PROFILE	DWG. #748554-A
2. CONTROL ROOM SECOND FLOOR PLAN	DWG. #748555-A



LIGHTING PLAN
SCALE: 1" = 20'-0"

I. PROVIDE AND INSTALL COMPLETE MOUNTING ACCESSORIES AS NECESSARY AND AS REQUIRED.

1. PROVIDE AND INSTALL COMPLETE MOUNTING ACCESSORIES AS NECESSARY AND AS REQUIRED.
2. LUMINAIRE MANUFACTURER'S DATA TO BE SUBMITTED BY LUMINAIRE MANUFACTURER AS A PART OF BID. THIS DATA SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING RECOMMENDATION OF LUMINAIRE MANUFACTURER:
 - a. MINIMUM LUMEN OUTPUT REQUIRED TO ILLUMINATE THE SPACE TO BE ILLUMINATED.
3. CATALOGUE NUMBER LISTED TO BE USED FOR INTERPRETATION PURPOSE ONLY. ALL REQUIREMENTS SHALL BE BASED ON THE LUMINAIRE MANUFACTURER'S RECOMMENDATION OF LUMINAIRE NUMBER SHOWN.
4. LUMINAIRE MANUFACTURER SHALL SUBMIT COMPLETE CATALOGUE NUMBER.
5. MINIMUM LUMEN OUTPUT SHOWN IN LUMINAIRE TECHNICAL DATA MAY BE USED FOR PRELIMINARY CALCULATION FOR LAYING OUT LUMINAIRES IN PLAN. THE LUMINAIRE MANUFACTURER SHALL BE RESPONSIBLE FOR VERIFYING LIGHTING PLAN DRAWING TO MATCH WITH THE LUMINAIRE MANUFACTURER'S RECOMMENDATION OF LUMEN OUTPUT OF SELECTED LUMINAIRE. THE LUMINAIRE MANUFACTURER SHALL SUBMIT A LETTER TO THE ARCHITECT TO CONFIRM ALL CALCULATION RESULTS AND REVISIONS. THE LUMINAIRE MANUFACTURER SHALL BE RESPONSIBLE FOR VERIFYING THE LUMINAIRE NOT LISTED IN THE PROJECT SCHEDULE.
6. MOUNT LIGHTING FIXTURES & OUTLET BOXES IN ACCORDANCE WITH THE LUMINAIRE MANUFACTURER'S RECOMMENDATION IN LIGHTING FIXTURES & OUTLET BOX PER

[illegible]

FIXTURE NOTES:
L₂ = DENOTES LUMINAIRE MOUNTING METHOD TO BE SELECTED BASE ON THE APPLICATION.
EXAMPLE:
A. IF WALL MOUNTED = USE YOKO MOUNTING FRAME
B. IF SET ON SINGLE MONOPOLE = USE TENON SLIPFITTER.

1. LIGHTING TO BE INSTALLED IN ACCORDANCE WITH CHAPTER 18 OF PRECAST CONSTRUCTION STANDARDS, 1987, SECTION 1.2B(3).
2. ILLUMINATION LEVELS AS SHOWN ASSUME ALL EXISTING LIGHTS TO REMAIN HAVE BEEN REPLACED WITH THE MOST EFFICIENT AVAILABLE. SEE FIXTURE SCHEDULE BELOW FOR DETAILS.
3. MINIMUM MAINTAINED HORIZONTAL ILLUMINATION 4.0 FC
4. AVERAGE MAINTAINED HORIZONTAL ILLUMINATION 4.0 FC
5. MAXIMUM MAINTAINED HORIZONTAL ILLUMINATION 44.3 FC
6. MAXIMUM MAINTAINED VERTICAL ILLUMINATION AT FACE OF WALL BEHIND FENCE LINE 4.0 FC
7. LIGHT LEVELS TO BE MEASURED AFTER ADEQUATE BURNOUT COOLING; LIGHTING ANALYSIS WAS COMPLETED USING THE FOLLOWING ASSUMPTIONS:
 - a. ALL LIGHTS TO BE USED ARE NEW
 - b. DRAIN FOR WINDST CASK SCENARIO, PRECAST CONSTRUCTION STANDARDS, 1987, SECTION 1.2B(3)
 - c. DETERMINE WHICH LIGHTS TO REMOVE OR ADD
8. MAINTAINED HORIZONTAL ILLUMINATION LEVELS AS SHOWN ARE CALCULATED AT GROUND LEVEL.

- DOWN LIGHT WILL NORMALLY BE ON FOR GENERAL ILLUMINATION AND SECURITY PURPOSES.
- Zfo = FOOT CANDLES
- * DENOTES EMERGENCY/MAINTENANCE LIGHTING
- 4 *** TYPE 3 & 3A FIXTURES TO REPLACE EXISTING DOWNLIGHTS ON FIREMALL-1 LIGHTING TO BE REPLACED AT THE SAME ELEVATION, 13'-0"
- * MOUNTING HEIGHT OF TYPE 1 & 2 FIXTURES ARE 8'-0"
- 6 UPLIGHTS ARE SWITCHED AT LIGHT POSITIONS, WHERE AN UPLIGHT IS NOT INSTALLED, USE POND BLANK IN PLACE OF SWITCH ASSEMBLY.
- 7 UPLIGHTS, DOWNLIGHTS & RECEPTACLES SHALL HAVE A SCHEMATIC DIAGRAM ON 007-MEMBRANE-4R
- 8 ADD BRACKETS (DOUBLE OR SINGLE) ARE INTERVAL, PENDING THE LIGHTING LUMINAIRE WHEN PLACING PLACEMENT PURCHASE ORDER.
- 9 PROVIDE MIN. OF 13' LAP SET, OPTIMUM ASSEMBLY MIN. BOT. OF CONC. W/ BASES FOR ALL BULB MOUNTING DEVICES.

- - - - - PROPERTY LINE
 — — — — — 50'-8" FENCE PERIMETER
 —————> FLOODLIGHT AIMING DIRECTION

1. GROUNDING & LIGHTING PLAN.....DWG#232228-4
2. KEY PLAN & PROFILE.....DWG#748554-4
3. "LED" LIGHTING DESIGN,
FIXTURE SCHEDULES, & DETAILS.....DWG#768826-4

[illegible]
PSEG

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
ENGINEERING AND CONSTRUCTION DEPARTMENT NEWARK, N.J.

DRAWN C. HATCHER CHECKED S. JOHNSON SCALE 1"=8'-0"
DATE 8/28/98 EXAMINED S. SCHNEIDER

Auth E-9872 APPROVED T. J. VANDERKAM/RJS
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THE CONTRACTOR IS RESPONSIBLE TO PRUNE TREES AND SHRUBS AT THE APPROPRIATE TIME. ALL PRUNING SHALL BE DONE WITH CLEAN SHARP TOOLS.

IRRIGATION & WATERING NOTES

AN IRRIGATION SYSTEM WILL NOT BE PROVIDED ON SITE. AS WATERING IS A PRIMARY CONCERN FOR PLANT SURVIVAL, THROUGHOUT THE SPECIFIED ESTABLISHMENT & GUARANTEE PERIOD, FOR EACH CATEGORY OF PLANT, EVERGREEN OR DECIDUOUS TREE, DECIDUOUS SHADE TREES, DECIDUOUS ORNAMENTAL TREES, AND/OR SHRUBS THE RECOMMENDED WATERING REQUIREMENTS ARE AS FOLLOWS:

D. SHADE / STREET TREES	30 MINUTES / 1 TIME PER WEEK (26-6 GALS.)
E. EVERGREEN TREES	30 MINUTES / 1 TIME PER WEEK (38-9 GALS.)
F. ORNAMENTAL TREES	30 MINUTES / 1 TIME PER WEEK (26-6 GALS.)
G. SHRUBS	15 MINUTES / 1 TIME PER WEEK (15 GALS.)
H. WINTERGREENS	



SHRUB PLANTING DETAIL
NOT TO SCALE

NOTES FOR SHRUBS & EVERGREEN TREE PLANTING DETAIL:

1. PLANTING PITS FOR TREES OF SPACES SHOWN ARE LOCATED IN PARALLELS OR GROUPS WITHIN THE GROUPS OF PLANTING SITES. SHOULD BE EXCAVATED TO UNIFORMITY AND NOT BE LESS THAN 1' DEEP.
2. IF PLANTED BEHIND A BARRIER, SUCH AS A CURB, LOCATE PLANTING SITES TO BE PLANTED PLANTED TO THE CURB OR TO THE DETAIL AS SHOWN. EXCAVATE TO 1' BELOW CURB FINISH. PLANTING SITES TO BE PLANTED IN FRONT OF CURB.

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	PROJECT NO.: 2020.09.1 DATE: 5/12/2016 TIME: 04:00'	FACILITY NO.: 04-0000 DATE: APRIL 10, 2016 DRAWN BY: J.A. CHECKED BY: J.A.
KATHERINE L. HERRING		

