

Granite Knolls Solar

MAR 7 - 2022

TOWN OF YORKTOWN

To: Yorktown Planning Board

From: Yorktown Tree Conservation Advisory Commission (TCAC)

Date: 7 March 2022

cc: Yorktown Planning Dept. (J. Tegeder, R. Steinberg, N. Calicchia); Engineering Dept. (D. Ciarcia); Conservation Board (K. Hughes); Town Clerk (D. Quast); TCAC members (L. Klein, T. Schmitt, K. Schepart)

Re: Proposed solar facility Granite Knolls Park

Dear Chairman Fon and members of the Planning Board:

The TCAC has reviewed the referral materials for the referenced project that were received on 2 March 2022. The TCAC agrees with the Engineer's calculations for the mitigation ratio, the tree deficit and the payment to the Tree Bank Fund. However, we find that this project is not in compliance with the requirements of Chapter 270 for the following reason:

- The Engineer has still not provided a proper mitigation plan. The proposed mitigation plan consists of planting 38 evergreen trees which function as screening. This does not qualify as a mitigation plan. Chapter 300-81.4.F.(3)(g) states that "Landscape screening and buffering shall be required." Furthermore, during the PB's work session of 24 January 2022, related to the Foothill Street solar project, the PB's lawyer, James W. Glatthaar, Esq., stated that screening plantings do not qualify as replacement trees because a screening plan is required by the solar law.

Until a mitigation plan is developed and submitted, this proposal should not be allowed to advance further in the Planning Board review process.

Sincerely,

Tree Conservation Advisory Commission
Lawrence W. Klein, P.E., Member
Keith Schepart, ISA, Member
Tom Schmitt, Member

Diane Dreier Co-Chair
Phyllis Bock Co-Chair

Matthew Slater
Town Supervisor

TOWN OF YORKTOWN CONSERVATION BOARD

Town of Yorktown Town Hall, 363 Underhill Avenue, Yorktown Heights, New York 10598, Phone (914) 962-5722

MEMORANDUM

To: Planning Board

From: Conservation Board

Date: February 18, 2022

Re: HESP SOLAR Granite Knolls Park

RECEIVED
PLANNING DEPARTMENT

FEB 22 2022

TOWN OF YORKTOWN

The Conservation Board at its February 16, 2022 meeting discussed the above subject with Eric Redding of Bergman PC. The Conservation Board has the following comments:

- Native trees, deciduous and evergreen should be grouped in clusters to provide better screening.
- An erosion prevention plan post construction should be submitted.
- Pollinator Friendly Solar Scorecards are being utilized in many states as an entomologist approved standard, within managed landscapes of solar facilities, to achieve best practices, when planting for pollinators. The board suggests that the applicant review that standards as applied in the following Vermont scorecard:
https://2lwej44565rn2mmjlk31pmwq-wpengine.netdna-ssl.com/wp-content/uploads/2019/12/Vermont-Pollinator_Solar_Scorecard_FORM.pdf

Respectfully submitted:

Phyllis Bock

For the Conservation Board

CC: Town Board
Planning Board
Supervisors Office
Engineering Dept.
Applicant

March 1, 2022

Robyn A. Steinberg, AICP, CPESC
Albert A. Capellini Community & Cultural Center
1974 Commerce Street
(Top Floor, Room 222)
Yorktown Heights, NY 10598

RECEIVED
PLANNING DEPARTMENT
MAR 2 - 2022
TOWN OF YORKTOWN

RE: Granite Knolls Park Solar Project – HESP Solar, LLC
Planning Department Submission
Parcel I.D. No. 20.06-1-22

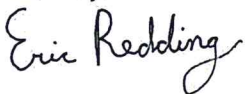
Dear Mrs. Steinberg;

This letter is provided in response to questions and comments received from the Yorktown Planning Board and the Conservation Board. Enclosed for your review, please find the following documents:

- Three (3) copies of the updated Site Plans dated, March 1, 2022.
- Three (3) copies of the photo simulations dated, March 1, 2022.
- Three (3) copies of the updated Line of Sight Profiles dated, March 1, 2022.
- Three (3) copies of the Tree Mitigation Plan dated, March 1, 2022.
- Three (3) copies of the Project Schedule and Phasing Plan.

Should you have any questions or require additional information, do not hesitate to contact me at (518) 556-3631 or by email at eredding@bergmannpc.com.

Sincerely,



Eric Redding, PE, LEED AP
DISCIPLINE LEADER, BERGMANN



March 1, 2022

Richard Fon, Chairman of the Planning Board
Town of Yorktown
363 Underhill Avenue
Yorktown, NY 10598

Re: Mitigation Plan for Proposed Granite Knolls Park Solar Project
HESP Solar, LLC
Town of Yorktown, Westchester County, New York

Dear Mr. Fon:

The proposed 1.3 MW AC Granite Knolls Park Solar project ("Project") is located on Westchester County Parcel 26.09-1-22, which is a Town of Yorktown Park, consisting of sports field and wooded/grassed areas. The project will involve the proposed removal of 106 trees. As per The Town of Yorktown's Tree Law, a mitigation plan and Tree Permit is required for the Project. The Tree Permit Application is included as Enclosure A of this mitigation plan.

The mitigation measures provided below are based upon the options provided in the Tree Law, as well as items deemed likely to be important to the Town. We look forward to discussing these in further detail to refine the Mitigation Plan.

Tree Survey:

The tree survey was performed by certified arborist, Bartlett Tree Experts, which included a completed inventory of the 107 trees within the project area of which 96 qualify as protected trees. Trees were not surveyed in the areas outside of the proposed project boundary.

Each tree was tagged and is identified by number and categorized by condition ("dead", "poor", "fair", or "good") on the tree inventory list. Trees that are considered "poor" are falling apart, hazardous, and beyond salvaging. There is a total of 96 protected trees within the surveyed areas. Of these 96 surveyed protected trees, 1 is to remain, 28 are in "poor" condition and 2 are dead, resulting in 65 protected trees being cut and requiring mitigation measures to compensate for the impact of their removal.

See table below for a summary of the trees surveyed on the project property:

Total trees surveyed	107
Total trees to be removed	106
Total trees with a DBH greater than 8" to be removed	95
Less: dead/poor trees to be removed	30
Total protected trees to be removed	65
Average DBH of protected trees	13.32"



Mitigation Plan:

In accordance with the Town’s Tree Law, we are proposing a combination of two of the mitigation measures outline in section 270-10(D)(4) of the tree ordinance. First, we are proposing planting 38 new evergreen trees. Second, we are proposing a payment to the Tree Bank Fund for the balance of our mitigation obligations. Per Town code section 270-10(4)(f), payment of \$100 per protected tree removed as well as \$300 per 5,000 square feet of Protected woodland disturbed will made to the Tree bank Fund.

See the detailed mitigation plan calculation provided below.

Mitigation Plan Calculations

Average DBH of tree to be removed-----	13.32"
Average DBH of replacement trees-----	3"
Mitigation Ratio-----	4.44
Protected trees to be removed-----	65
Required replacement trees (4.44 x 65) -----	289
Replacement trees to be planted-----	38
Tree deficit-----	289
Payment to the Tree Bank Fund based on tree removals-----	\$6,500
Protected Woodlands to be removed (SF)-----	33,003
Payment to the Tree Bank Fund for the above removal-----	\$1,980
Total Tree Bank Fund payment -----	\$8,480

New tree plantings:

The Landscaping Plan for the project involves 38 new evergreen trees across selected parts of the property. This includes the front yard along Stoney Street and along the entrance driveway north of the project location. All the trees planted will be evergreen species in order to provide year-round coverage, including White Fir, White Spruce, Canadian Hemlock and Colorado Spruce. These trees have installed heights ranging from 6 to 8 feet high and mature sizes ranging from 50 to 75 feet.

Planting of pollinator Friendly Seed Mix and Use of Fencing:

In an effort to help maintain the existing ecosystem of the site, we have included a 6-inch gap at the bottom of our fencing. A pollinator friendly seed mix will be spread at the Project site at the completion of construction in an effort to support a diverse ecosystem and habitat for pollinators within the project site.

Proposed Solar Farm Carbon Offset:

The EPA Greenhouse Gas Calculator was utilized to determine the positive environmental impacts that the proposed 1.3 MW AC Project will have. At peak capacity, the Project can save approximately 1,427 Metric Tons of Carbon Dioxide emissions per year. This is equivalent to the Carbon Dioxide sequestered by 1,748 acres of U.S. forests, 310 passenger vehicles driven per year or the offset of residential home electricity generated by 172 homes per year. Over the 25-year lifespan of the Project, the carbon offset will result in an enormously positive environmental impact by its carbon offset alone.

Suggestions from Tree Conservation Advisory Commission, Conservation Board, Planning Board and Public: Any suggestions from the Tree Conservation Advisory Commission, Conservation Board, Planning Board and the Public will be considered for this Project. These suggestions may include additional mitigation opportunities, or any other measures deemed necessary for a complete Mitigation Plan for the Project.



We look forward to your consideration of this Draft Mitigation Plan. It is our goal to cooperate with the Town as much as possible to ensure this Projects construction and completion. The clean, renewable, energy provided by this Project will be a great benefit to the Town and its citizens, allowing for a successful partnership for all involved parties for the life of this Project.

If you should have any questions or require any additional information, please do not hesitate to contact me via phone at (518) 556-3631 or by email at eredding@bergmannpc.com.

Sincerely,

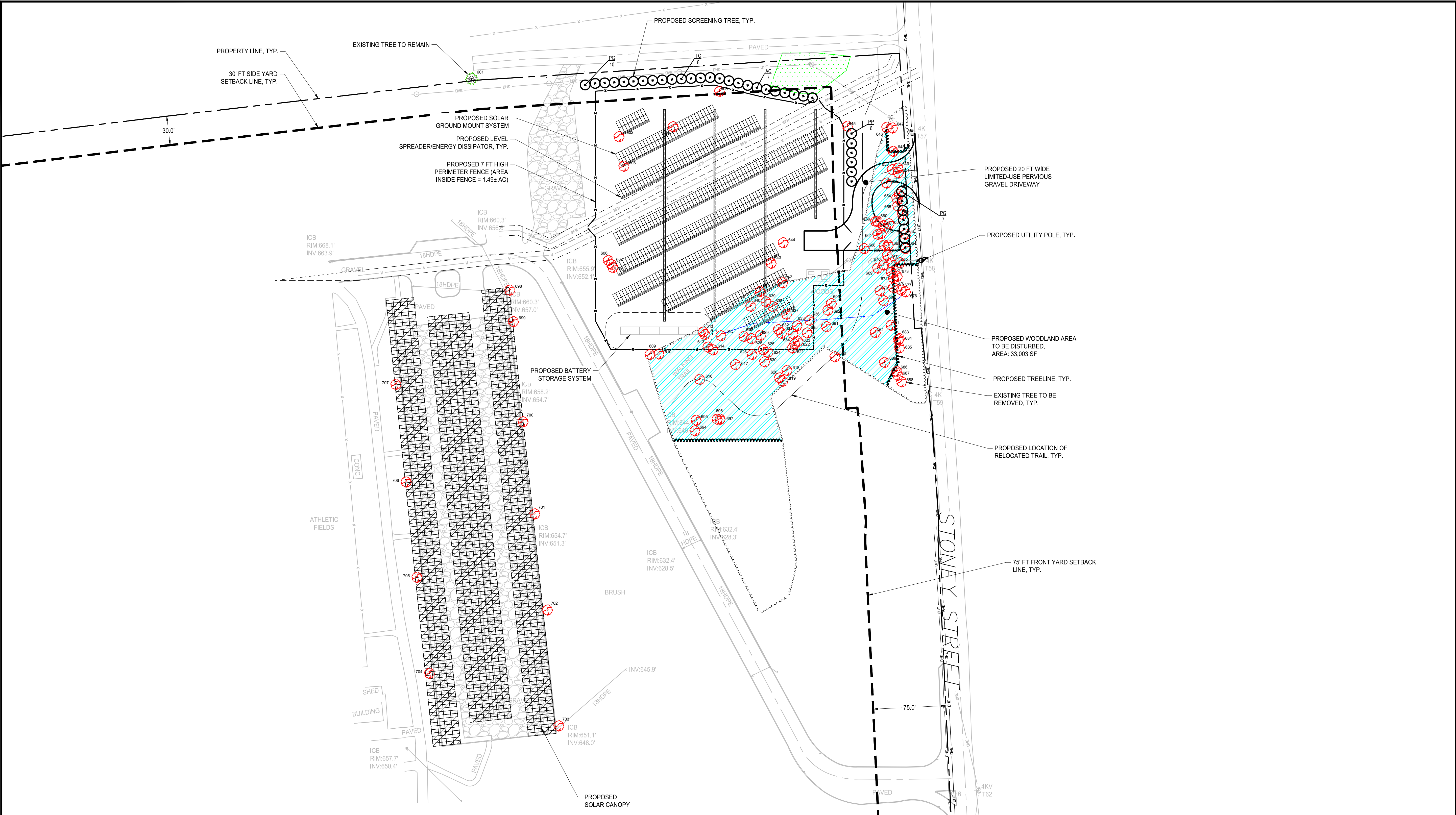
Eric Redding, PE, LEED AP
Discipline Leader, BERGMANN

Enclosures:

Enclosure A: Tree Mitigation Site Plan

Enclosure B: US EPA Greenhouse Gas Equivalency Calculator

Enclosure C: Tree Inventory



LEGEND

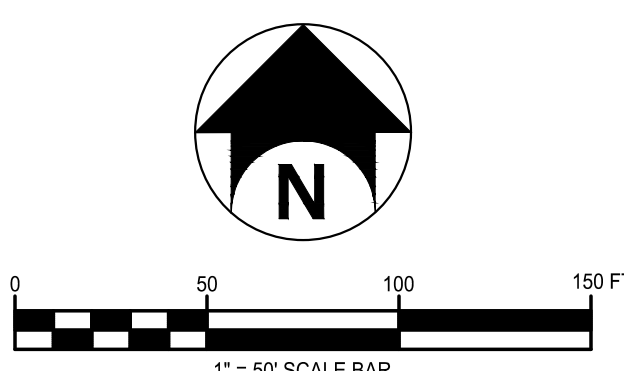
	PROPERTY LINE		EXISTING EDGE OF ASPHALT
	SET BACK LINE		APPROXIMATE EXISTING TREELINE
	STONE WALL		PROTECTED WOODLAND AREA TO BE DISTURBED
	ADJOINER PROPERTY LINE		EXISTING WETLAND (PEM - NON WOTUS)
	ROAD RIGHT-OF-WAY		PROPOSED SOLAR PANEL
	EXISTING ROAD CENTERLINE		EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE		PROPOSED UTILITY POLE
	EXISTING STREAM CENTERLINE		EXISTING TREE TO BE REMOVED
	PROPOSED FENCE LINE		EXISTING TREE TO REMAIN
	EXISTING FENCE LINE		PROPOSED SCREENING TREE
	PROPOSED OVERHEAD UTILITY LINE		
	PROPOSED UNDERGROUND UTILITY LINE		
	PROPOSED SWALE		
	PROPOSED TREELINE		
	SWALE CENTERLINE		
	EXISTING BUILDING		

TREE MITIGATION DATA TABLE

TREES TO BE REMOVED	TREES TO REMAIN	PROTECTED WOODLAND AREA DISTURBED (SF)
106	1	33,003

PLANT LIST

Key	Qty.	Botanical Name	Common Name	Mature Size		Installed Size	Condition	DBH
				Height	Spread			
Evergreen Trees								
AC	7	Abies Concolor	White Fir	50'-75'	20'-30'	6'-7' Ht.	B&B	3"
PG	17	Picea Glauca	White Spruce	40'-60'	10'-20'	8' Ht.	B&B	3"
TC	8	Tsuga Canadensis	Canadian Hemlock	40'-70'	25'-35'	8' Ht.	B&B	3"
PP	6	Picea Pungens	Colorado Spruce	30'-60'	10'-20'	7'-8' Ht.	B&B	3"
TOTAL	38							



2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

GRANITE KNOLLS PARK SOLAR PROJECT

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

LANDSCAPING/TREE MITIGATION SITE PLAN

Drawing Number

C008

GRANITE KNOLLS PARK SOLAR PROJECT TREE INVENTORY

Tree ID	Common Name	Genus	Species	DBH	Stems	Condition Class	
601	Juniper-Eastern Redcedar	Juniperus	virginiana	22	2	Fair	(remain)
602	Crabapple	Malus	sp	13	2	Poor	
603	Cherry	Prunus	sp	28	1	Fair	
604	Ash-Green	Fraxinus	pennsylvanica	8	1	Poor	
605	Honeylocust-Thornless Common	Gleditsia	triacanthos var. inermis	18	1	Good	
606	Crabapple	Malus	sp	9	1	Poor	
607	Crabapple	Malus	sp	11	3	Fair	
608	Crabapple	Malus	sp	8	2	Fair	
609	Locust-Black	Robinia	pseudoacacia	12	1	Fair	
610	Locust-Black	Robinia	pseudoacacia	17	1	Good	
611	Locust-Black	Robinia	pseudoacacia	8	1	Fair	
612	Locust-Black	Robinia	pseudoacacia	16	1	Good	
613	Hickory-Pignut	Carya	glabra	9	1	Good	
614	Maple-Red	Acer	rubrum	7	2	Fair	
615	Maple-Red	Acer	rubrum	8	3	Fair	
616	Tree of Heaven	Ailanthus	altissima	28	1	Poor	
617	Oak-Swamp White	Quercus	bicolor	9	1	Good	
618	Oak-Swamp White	Quercus	bicolor	13	1	Good	
619	Locust-Black	Robinia	pseudoacacia	17	1	Poor	
620	Locust-Black	Robinia	pseudoacacia	17	1	Poor	
621	Locust-Black	Robinia	pseudoacacia	25	1	Fair	
622	Maple-Sugar	Acer	saccharum	9	1	Poor	
623	Maple-Sugar	Acer	saccharum	8	1	Fair	
624	Maple-Sugar	Acer	saccharum	13	1	Good	
625	Maple-Sugar	Acer	saccharum	8	1	Good	
626	Maple-Red	Acer	rubrum	18	3	Poor	
627	Maple-Sugar	Acer	saccharum	12	2	Good	
628	Maple-Sugar	Acer	saccharum	10	1	Fair	
629	Cherry	Prunus	sp	8	1	Fair	
630	Locust-Black	Robinia	pseudoacacia	13	1	Fair	
631	Maple-Sugar	Acer	saccharum	11	1	Good	
632	Maple-Sugar	Acer	saccharum	8	1	Good	
633	Maple-Sugar	Acer	saccharum	12	1	Good	
634	Locust-Black	Robinia	pseudoacacia	11	1	Fair	
635	Locust-Black	Robinia	pseudoacacia	8	1	Poor	
636	Locust-Black	Robinia	pseudoacacia	26	1	Poor	
637	Maple-Sugar	Acer	saccharum	13	1	Good	
638	Maple-Sugar	Acer	saccharum	9	1	Good	
639	Maple-Sugar	Acer	saccharum	9	1	Poor	
640	Maple-Sugar	Acer	saccharum	23	1	Good	
641	Locust-Black	Robinia	pseudoacacia	22	1	Fair	
642	Locust-Black	Robinia	pseudoacacia	14	1	Poor	
643	Ash-Green	Fraxinus	pennsylvanica	11	1	Dead	
644	Crabapple	Malus	sp	32	1	Poor	
645	Locust-Black	Robinia	pseudoacacia	20	1	Good	
646	Locust-Black	Robinia	pseudoacacia	16	1	Poor	
647	Locust-Black	Robinia	pseudoacacia	16	2	Fair	
648	Maple-Sugar	Acer	saccharum	13	1	Good	
649	Maple-Sugar	Acer	saccharum	12	1	Fair	
650	Maple-Sugar	Acer	saccharum	12	1	Good	
651	Maple-Sugar	Acer	saccharum	9	1	Fair	
652	Locust-Black	Robinia	pseudoacacia	13	1	Poor	
653	Locust-Black	Robinia	pseudoacacia	12	1	Poor	
654	Locust-Black	Robinia	pseudoacacia	14	1	Poor	
655	Locust-Black	Robinia	pseudoacacia	11	1	Poor	
656	Maple-Sugar	Acer	saccharum	9	1	Poor	





657	Locust-Black	Robinia	pseudoacacia	13	1	Fair
658	Locust-Black	Robinia	pseudoacacia	14	1	Fair
659	Locust-Black	Robinia	pseudoacacia	15	1	Poor
660	Maple-Sugar	Acer	saccharum	8	1	Fair
661	Maple-Sugar	Acer	saccharum	9	1	Fair
662	Locust-Black	Robinia	pseudoacacia	14	1	Poor
663	Maple-Red	Acer	rubrum	13	1	Poor
664	Maple-Sugar	Acer	saccharum	10	1	Fair
665	Maple-Sugar	Acer	saccharum	11	1	Good
666	Locust-Black	Robinia	pseudoacacia	13	1	Fair
667	Locust-Black	Robinia	pseudoacacia	15	1	Fair
668	Hickory-Pignut	Carya	glabra	9	1	Good
669	Cherry	Prunus	sp	8	1	Fair
670	Maple-Sugar	Acer	saccharum	3	1	Fair
671	Maple-Sugar	Acer	saccharum	10	1	Fair
672	Maple-Sugar	Acer	saccharum	14	1	Fair
673	Locust-Black	Robinia	pseudoacacia	14	1	Fair
674	Locust-Black	Robinia	pseudoacacia	14	1	Fair
675	Locust-Black	Robinia	pseudoacacia	12	1	Poor
676	Maple-Sugar	Acer	saccharum	9	1	Fair
677	Maple-Sugar	Acer	saccharum	8	1	Fair
678	Locust-Black	Robinia	pseudoacacia	21	1	Dead
679	Maple-Sugar	Acer	saccharum	10	1	Fair
680	Maple-Sugar	Acer	saccharum	13	1	Good
681	Maple-Sugar	Acer	saccharum	12	1	Good
682	Maple-Sugar	Acer	saccharum	15	1	Good
683	Maple-Sugar	Acer	saccharum	10	3	Fair
684	Maple-Sugar	Acer	saccharum	14	1	Fair
685	Maple-Sugar	Acer	saccharum	14	1	Fair
686	Locust-Black	Robinia	pseudoacacia	14	1	Fair
687	Maple-Sugar	Acer	saccharum	13	1	Fair
688	Locust-Black	Robinia	pseudoacacia	13	1	Poor
689	Maple-Sugar	Acer	saccharum	13	1	Poor
690	Maple-Red	Acer	rubrum	16	1	Good
691	Locust-Black	Robinia	pseudoacacia	14	1	Fair
692	Maple-Sugar	Acer	saccharum	12	1	Fair
693	Locust-Black	Robinia	pseudoacacia	13	1	Poor
694	Maple-Sugar	Acer	saccharum	18	1	Fair
695	Maple-Norway	Acer	platanoides	18	1	Good
696	Locust-Black	Robinia	pseudoacacia	13	1	Poor
697	Locust-Black	Robinia	pseudoacacia	12	1	Poor
698	Oak-Northern Red	Quercus	rubra	3	1	Fair
699	Oak-Northern Red	Quercus	rubra	3	1	Good
700	Oak-Northern Red	Quercus	rubra	4	1	Good
701	Oak-Northern Red	Quercus	rubra	3	1	Poor
702	Oak-Northern Red	Quercus	rubra	3	1	Fair
703	Oak-Northern Red	Quercus	rubra	3	1	Fair
704	Maple-Sugar	Acer	saccharum	3	1	Fair
705	Oak-Pin	Quercus	palustris	3	1	Fair
706	Oak-Pin	Quercus	palustris	3	1	Fair
707	Oak-Pin	Quercus	palustris	3	1	Poor

Equivalency Results [How are they calculated?](#)





The sum of the greenhouse gas emissions you entered above is of Carbon Dioxide Equivalent. This is equivalent to:





1,427 Metric Tons ▼





Greenhouse gas emissions from

  310 Passenger vehicles driven for one year	-or-	  3,585,353 Miles driven by an average passenger vehicle
--	------	--


CO₂ emissions from


  160,528 gallons of gasoline consumed	-or-	  140,138 gallons of diesel consumed	-or-
--	------	--	------


  1,576,808 Pounds of coal burned	-or-	  18.9 tanker trucks' worth of gasoline	-or-
---	------	---	------


  172 homes' energy use for one year	-or-	  259 homes' electricity use for one year	-or-
--	------	---	------



 **7.9**

 railcars' worth of coal burned

 **3,303**

 barrels of oil consumed

-or-

-or-

 **58,319**


 propane cylinders used for home barbeques


 **0.0004**

 coal-fired power plants in one year

-or-

-or-


 **173,536,581**


 number of smartphones charged

Greenhouse gas emissions avoided by

 **485**

 Tons of waste recycled instead of landfilled

 **69.3**


 Garbage trucks of waste recycled instead of landfilled


-or-

-or-

 **60,702**



 **0.297**





trash bags of waste recycled instead of landfilled

-or-



Wind turbines running for a year

-or-


54,070



Incandescent lamps switched to LEDs

Carbon sequestered by

23,589



tree seedlings grown for 10 years

-or-

1,748



acres of U.S. forests in one year

-or-

9.8

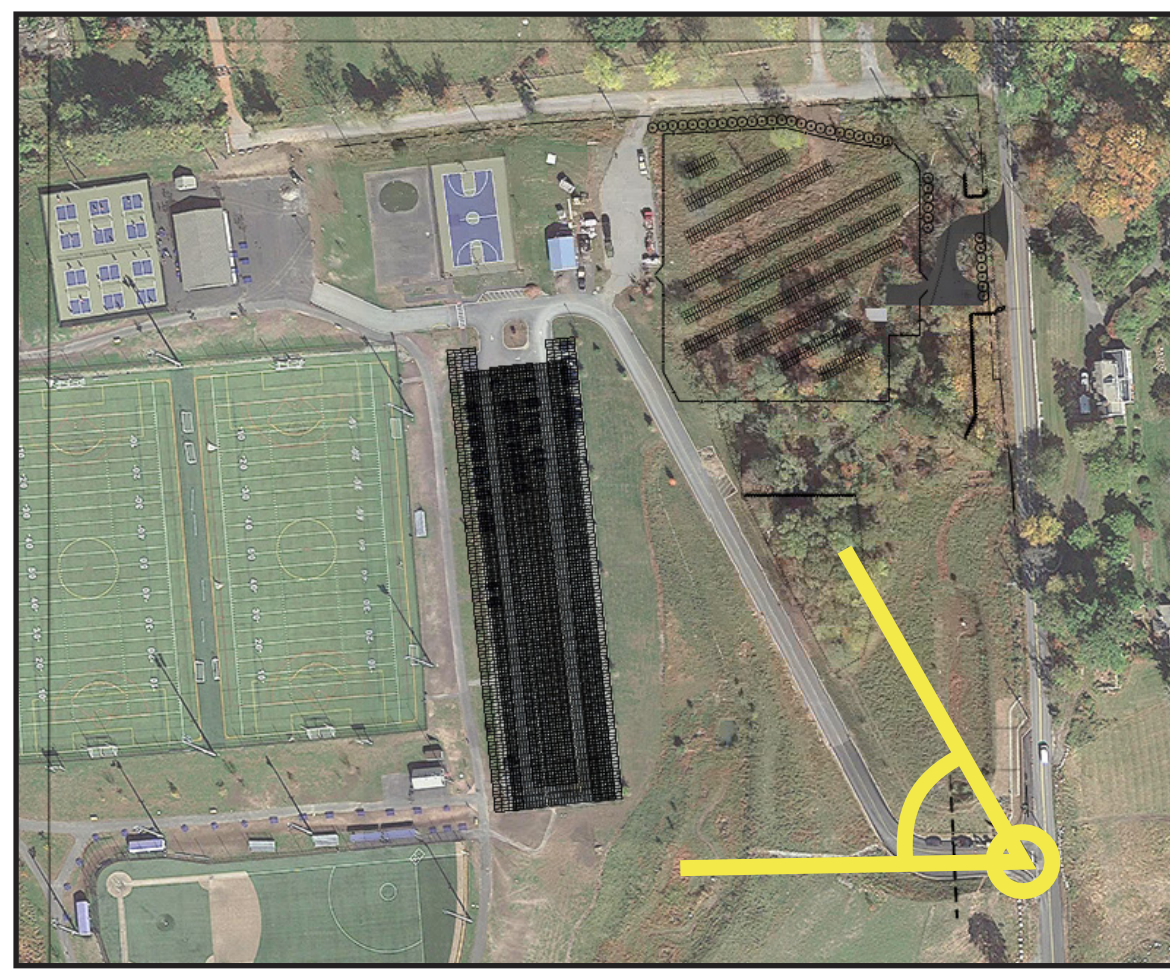


acres of U.S. forests preserved from conversion to cropland in one year

Yorktown Schedule

Title	Duration
Excavation Phase 1	10
Soil Testing	1
Staging + Concrete Phase 1	10
Excavation Phase 2	20
Ground Mounts - Racking Layout	3
Ground Mounts - Pour Concrete	15
Staging + Concrete Phase 2	20
Ground Mounts - Module Installation	15
Steel Erection Phase 1	17
Ground Mounts - DC Wire	19
Steel Erection Phase 2	15
Ground Mounts - AC Wire	15
Module Installation Phase 1	10
Module Installation Phase 2	20
DC Wire	22
AC Wire	21
Total	233





Location 1

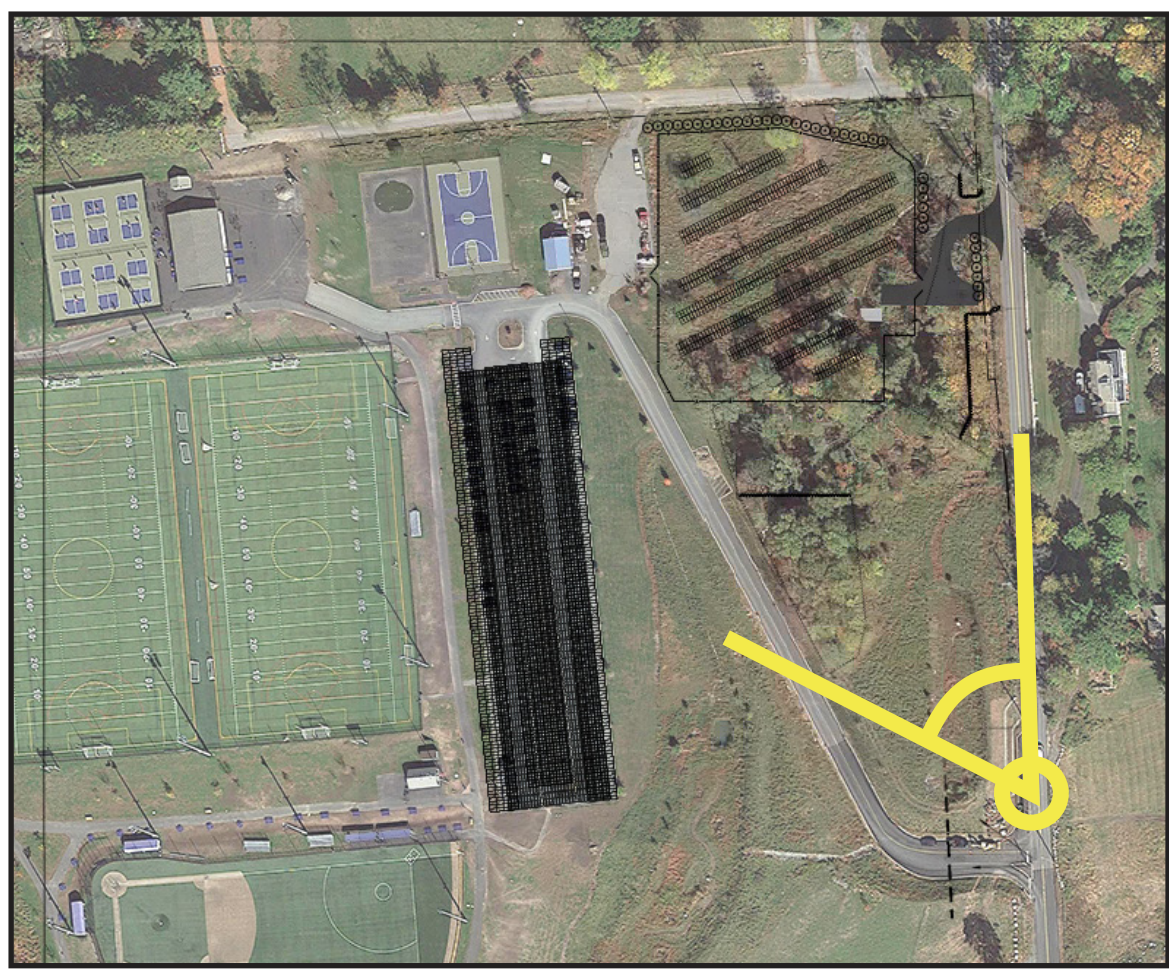
Stoney Street, looking north west



Existing



Proposed



Location 2

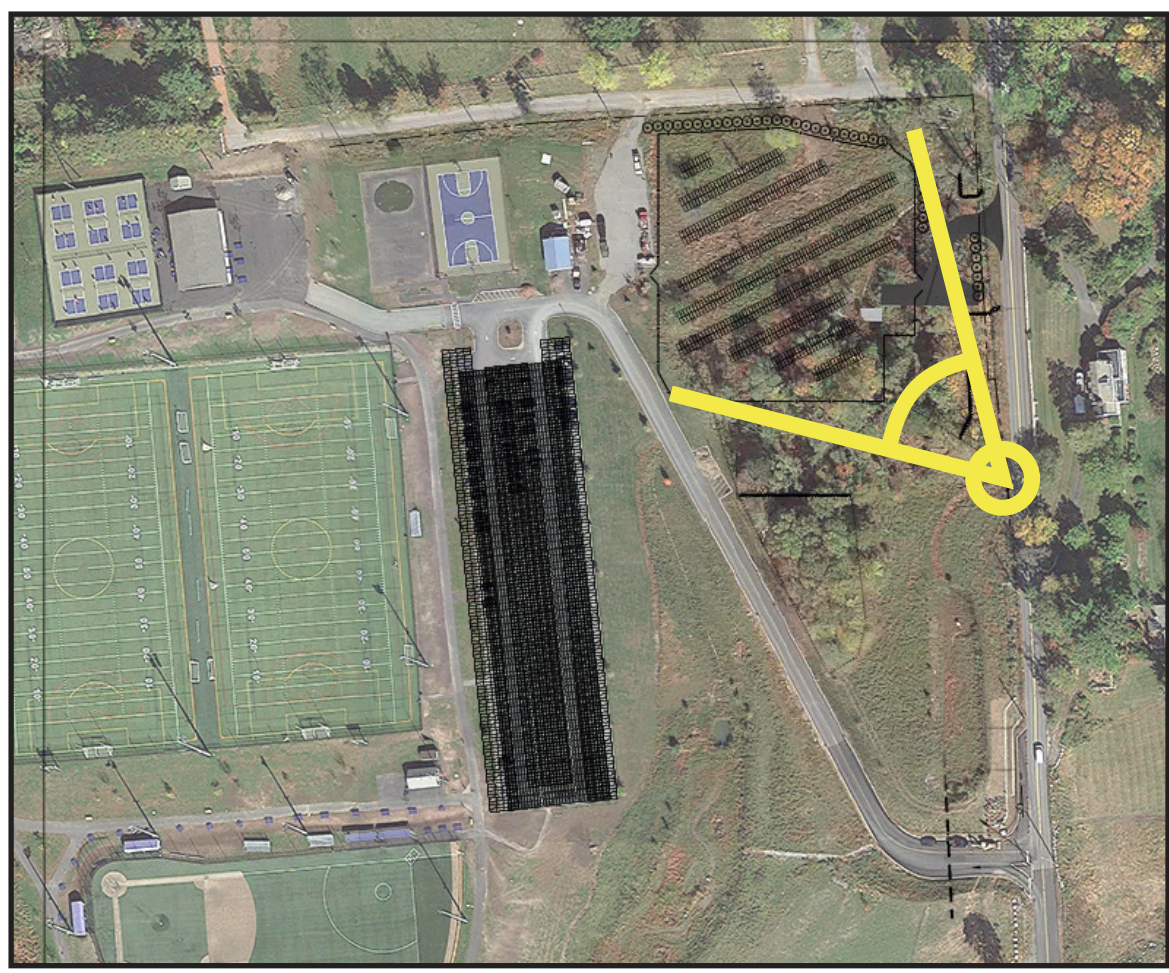
Stoney Street, looking north west



Existing



Proposed



Location 3

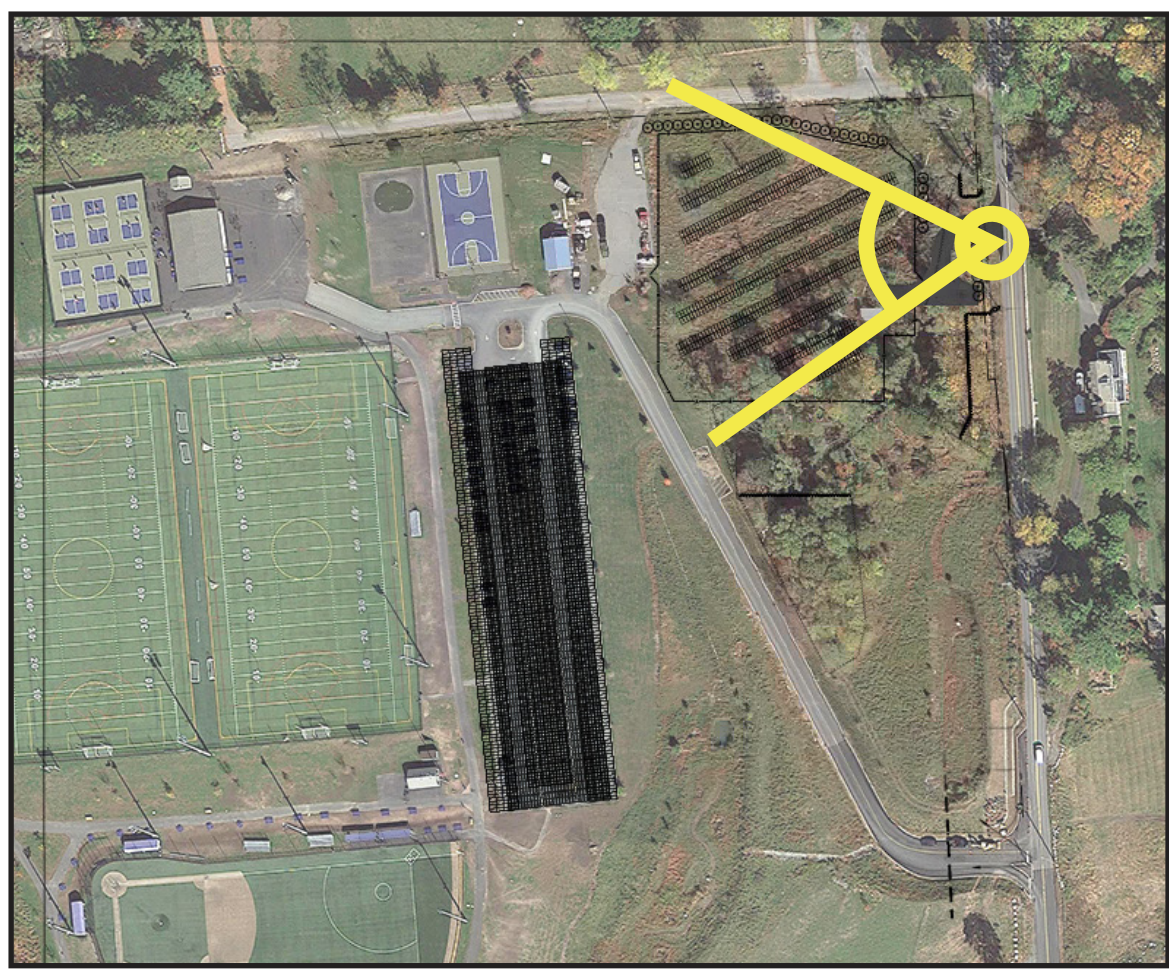
Stoney Street, looking north west



Existing



Proposed

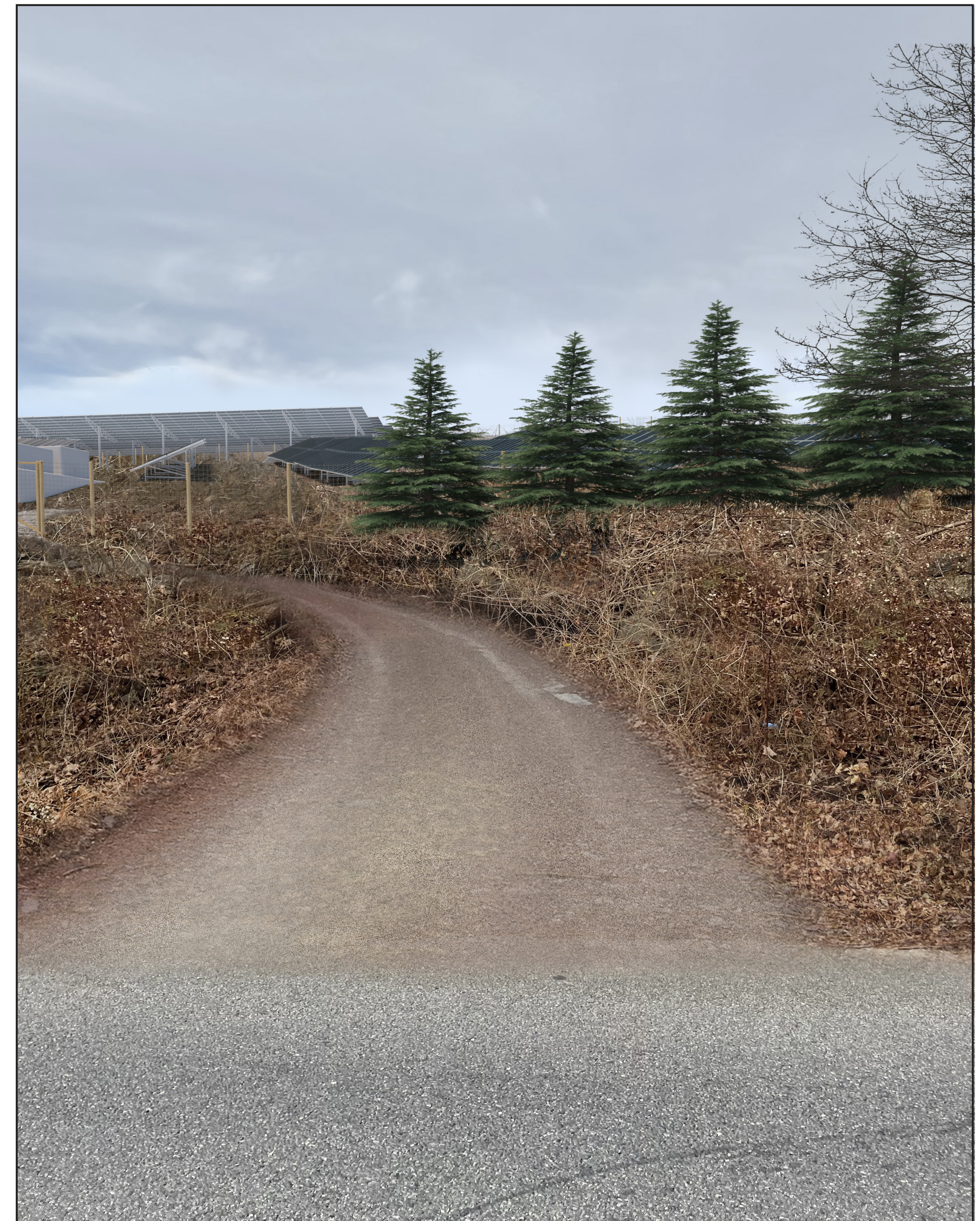


Location 4

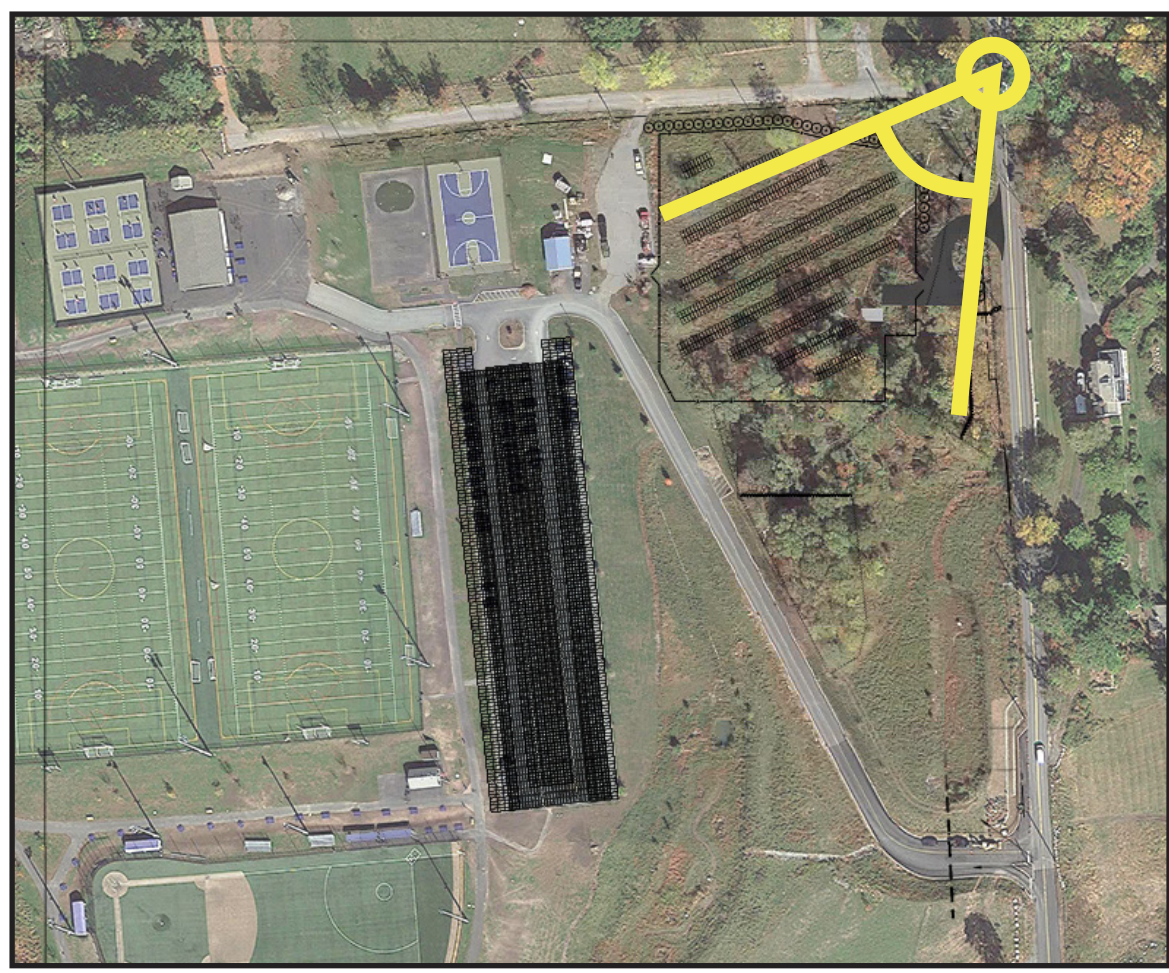
Stoney Street, looking west



Existing



Proposed



Location 5

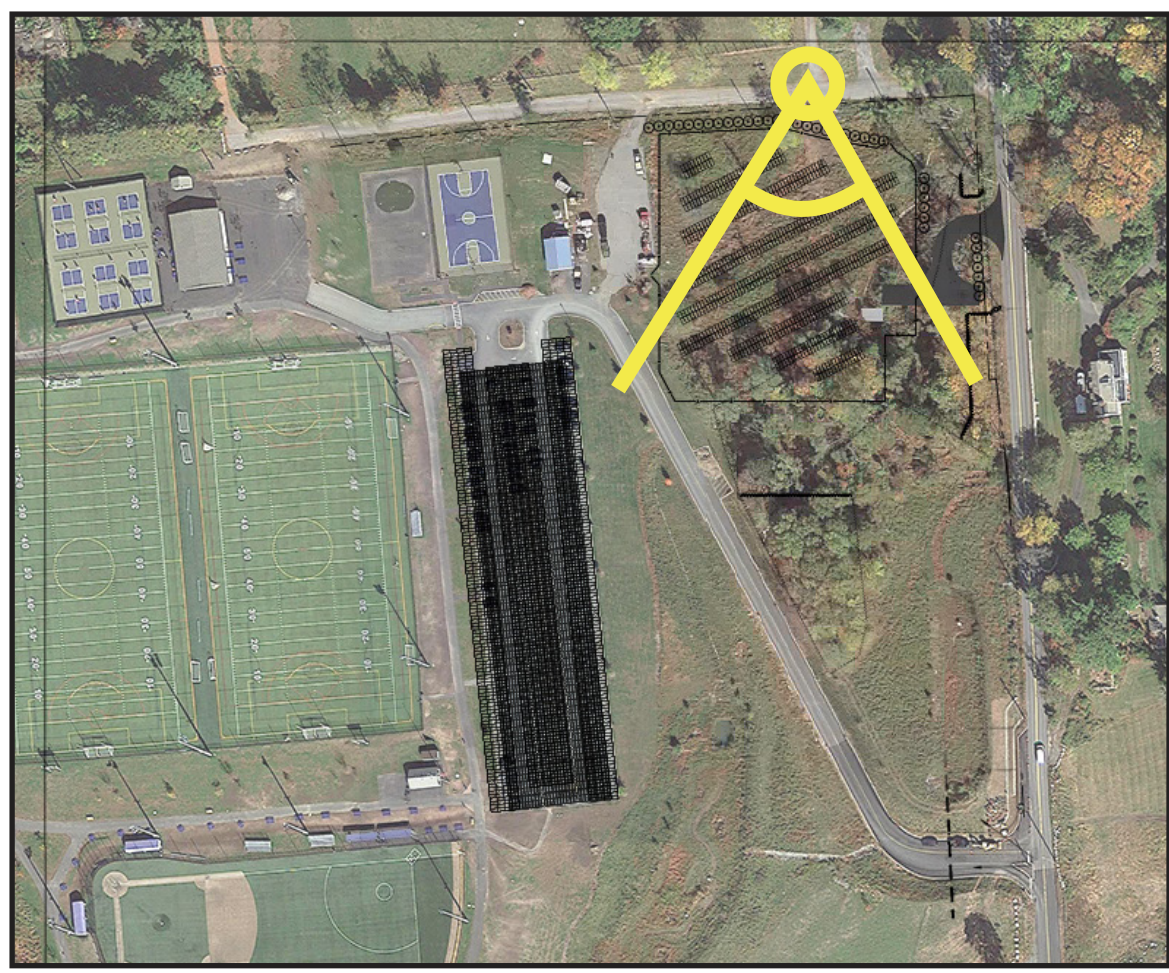
Stoney Street, looking south west



Existing



Proposed



Location 6

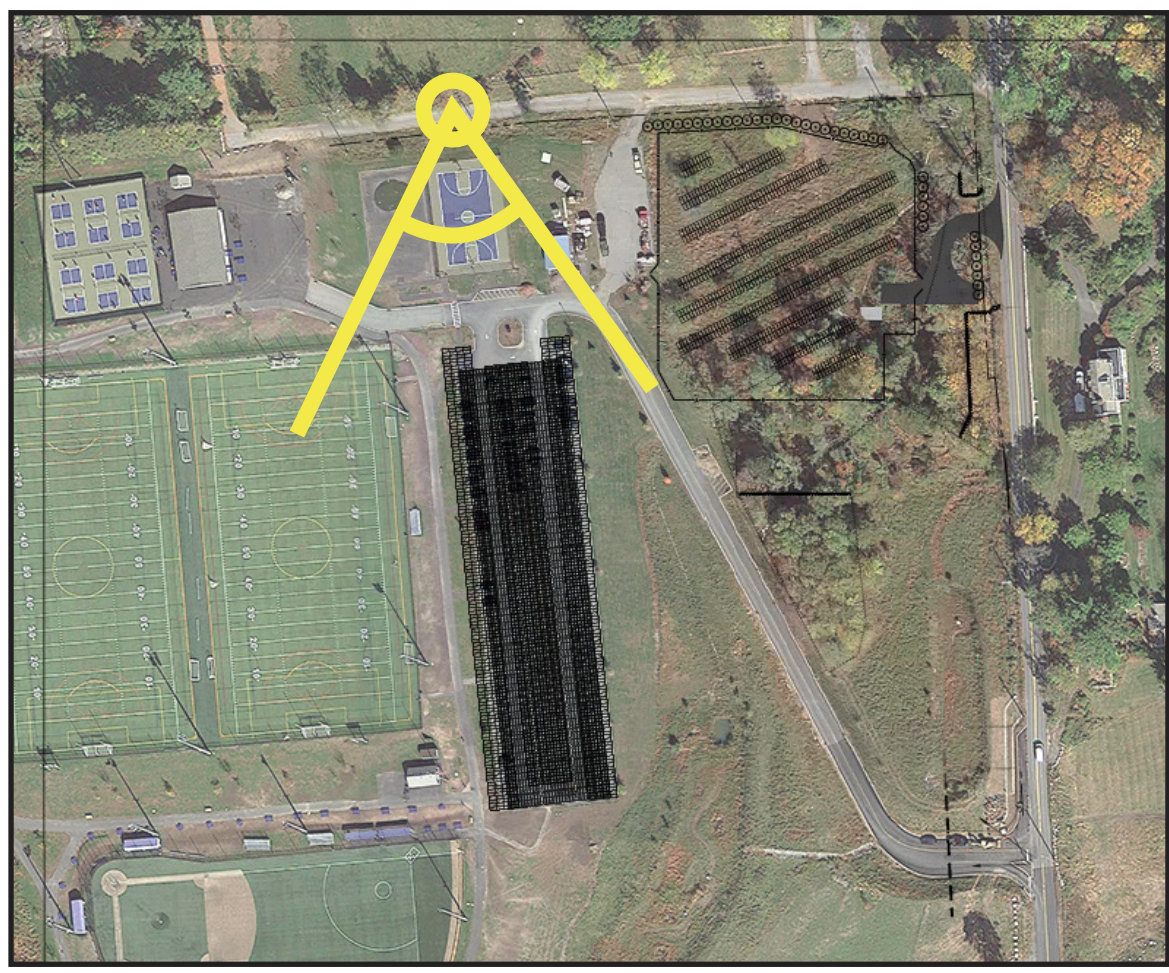
Private drive, looking south



Existing



Proposed



Location 7

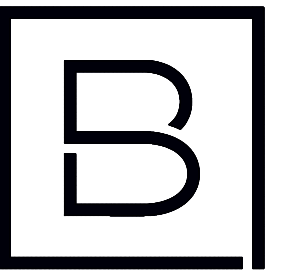
Private drive, looking south



Existing



Proposed



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
03/01/2022	UPDATED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C.

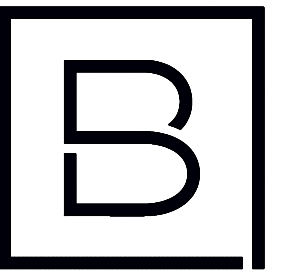
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
KB	ECR
Date Issued	Project Number
12/17/2021	14064.11

Sheet Name

**LINE OF SITE PROFILE
SITE PLAN**

Drawing Number

LOS



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

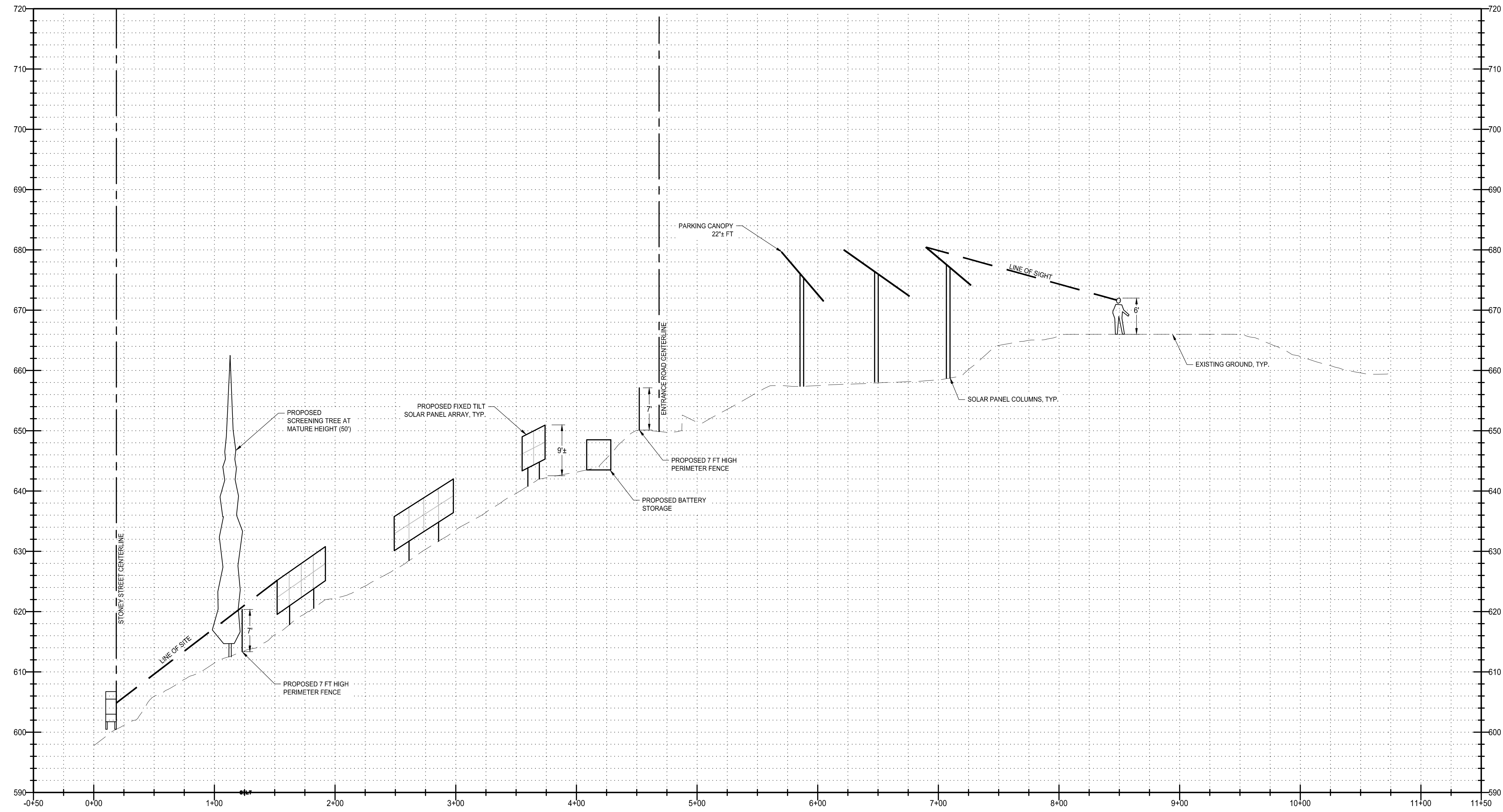
2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

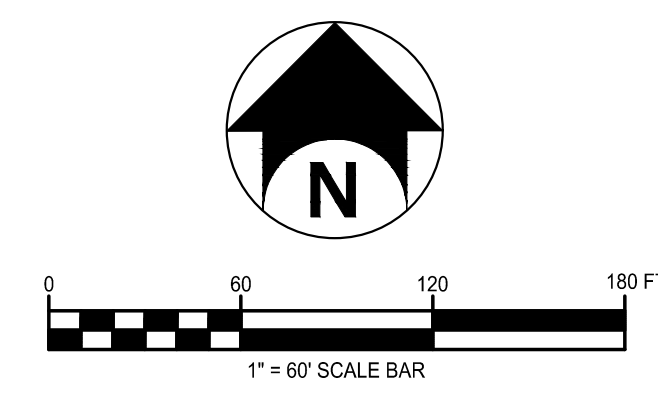
**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
03/01/2022	UPDATED PER TOWN COMMENTS



PROPOSED LINE OF SIGHT PROFILE 1
1" = 10' VERTICAL
1" = 50' HORIZONTAL



NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C

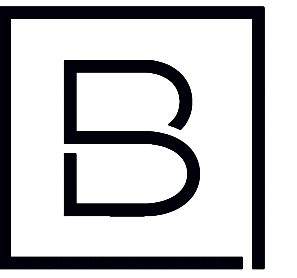
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
KB	ECR
Date Issued	Project Number
12/17/2021	14064.11

Sheet Name

LINE OF SITE PROFILE 1

Drawing Number

LOS-1



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

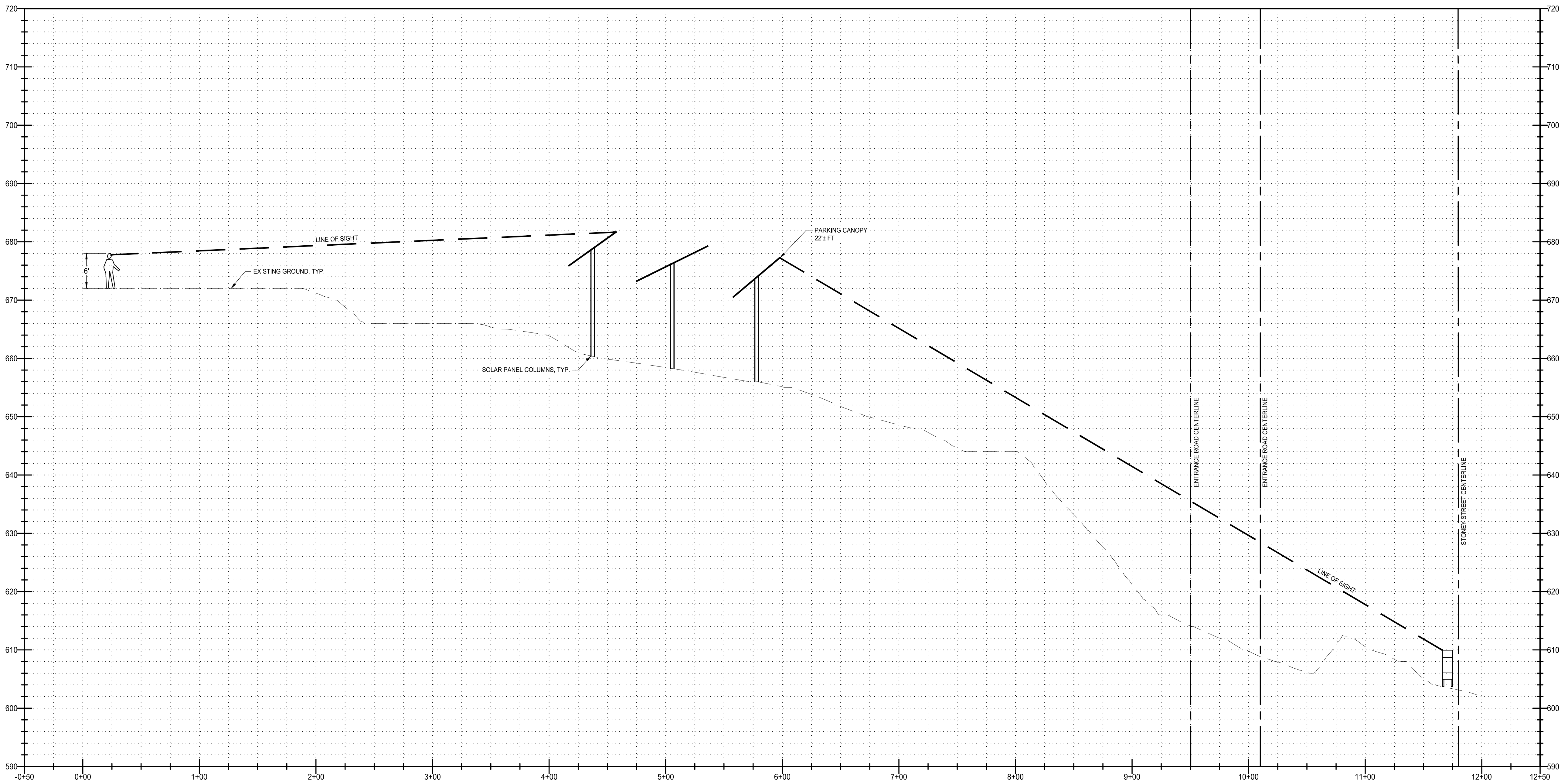
2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

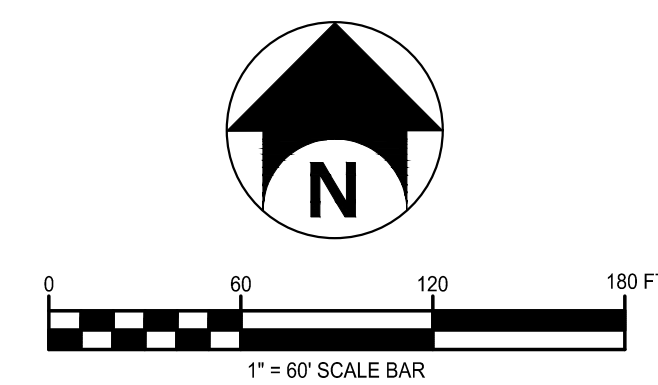
**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
03/01/2022	UPDATED PER TOWN COMMENTS



PROPOSED LINE OF SIGHT PROFILE 2
1" = 10' VERTICAL
1" = 50' HORIZONTAL



NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
KB	ECR
Date Issued	Project Number
12/17/2021	14064.11

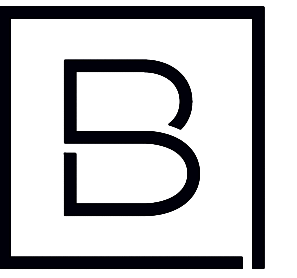
Sheet Name

LINE OF SITE PROFILE 2

Drawing Number

LOS-2

PRELIMINARY DEVELOPMENT PLANS FOR PROPOSED GRANITE KNOLLS PARK SOLAR DEVELOPMENT 2975 STONEY STREET MOHEGAN LAKE, NEW YORK



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

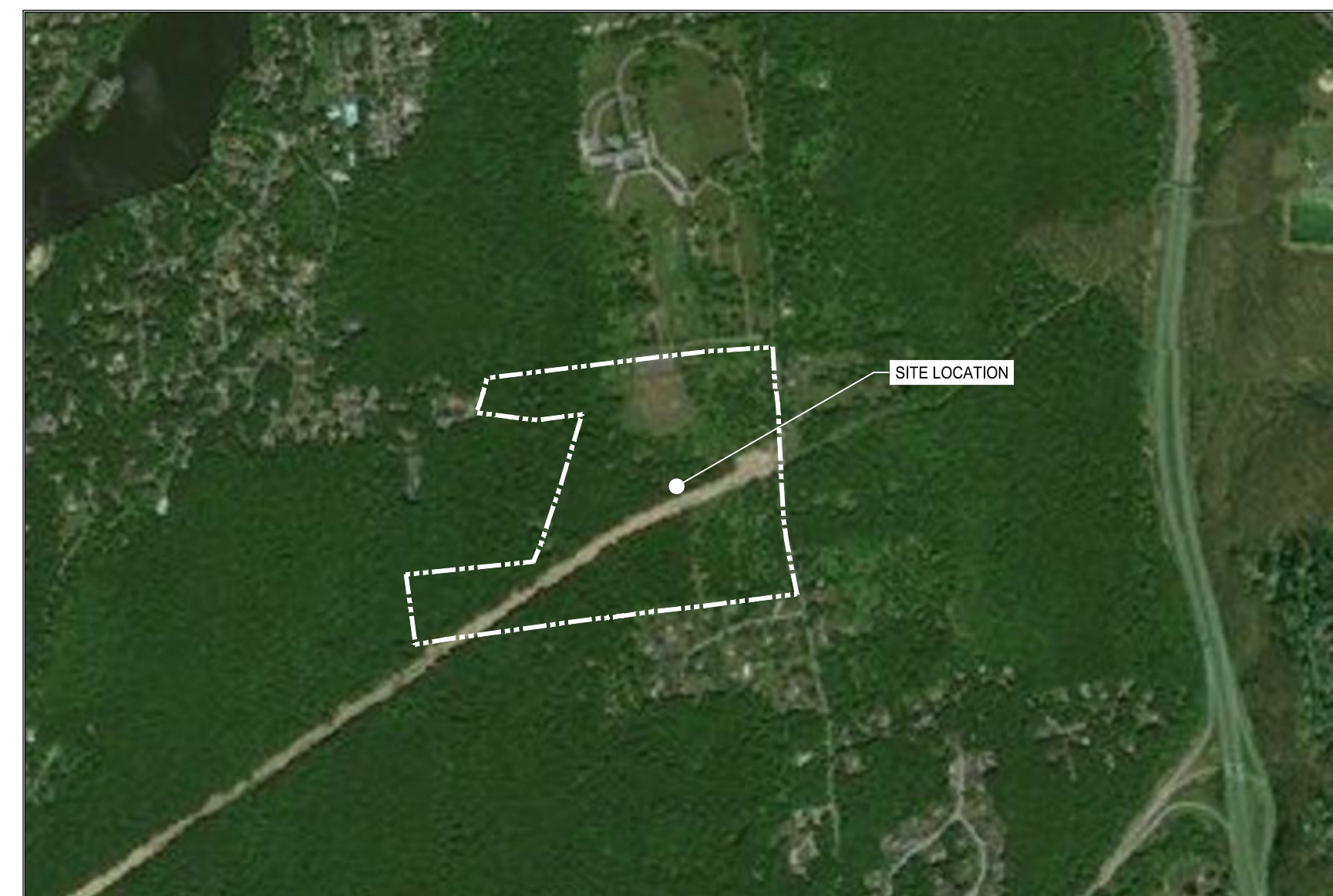
PROJECT CONTACTS

CIVIL ENGINEER
BERGMANN
2 WINNERS CIRCLE, SUITE 102
ALBANY, NY 12205
CONTACT: ERIC REDDING, PE
PHONE: 518.556.3631

OWNER
TOWN OF YORKTOWN PARKLAND
2975 STONEY STREET
MOHEGAN LAKE, NY 10547

APPLICANT
HESP SOLAR, LLC
400 RELLA BOULEVARD, SUITE 160
SUFFERN, NY 10901
CONTACT: SUSAN BRODIE
PHONE: 845.405.0600

ELECTRICAL ENGINEER
BERGMANN
280 EAST BROAD STREET #200
ROCHESTER, NY 14604
CONTACT: KATHLEEN CONNOLLY
PHONE: 585.498.7943



SITE LOCATION MAP
1"=1000'

DRAWING INDEX		
DRAWING NO.	DRAWING TITLE	SHEET NO.
C000	COVER	1
C001	GENERAL NOTES	2
C002	AREA PARCEL PLAN	3
C003	EXISTING CONDITIONS PLAN	4
C004	OVERALL SITE PLAN	5
C005	SITE PLAN	6
C006	GRADING PLAN	7
C007	GRADING PLAN DETAILS	8
C008	LANDSCAPING/ TREE MITIGATION SITE PLAN	9
C009	DETAILS I	10
C010	DETAILS II	11
C011	DETAILS III	12

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	14064.11

Sheet Name

COVER

Drawing Number

C000

SEQUENCE OF CONSTRUCTION:

- PRE-CONSTRUCTION MEETING HELD TO INCLUDE PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTOR, AND SUB-CONTRACTORS PRIOR TO LAND DISTURBING ACTIVITIES.
- CONSTRUCT CONSTRUCTION ENTRANCE/EXIT AT LOCATIONS DESIGNATED ON PLANS.
- INSTALL PERIMETER SILT FENCE.
- HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PLANNED TO COMMENCE WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.
- CONSTRUCT GRAVEL ROAD TO BE USED DURING CONSTRUCTION
- STRIP TOPSOIL AND STOCKPILE IN A LOCATION ACCEPTABLE TO CONSTRUCTION MANAGER. WHEN STOCKPILE IS COMPLETE, INSTALL PERIMETER SILT FENCE, SEED SURFACE WITH 100% PERENNIAL RYEGRASS MIXTURE AT A RATE OF 2-4 LBS. PER 1000 SF. APPLY 90-100 LBS PER 1000 SF OF MULCH.
- COMMENCE EARTHWORK CUT AND FILLS. THE WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL EARTH FOR ROUGH GRADING AND EARTH MOVING. THE CONTRACTOR WILL BE GIVEN SOME LATITUDE TO VARY FROM THE FOLLOWING SCHEDULE IN ORDER TO MEET THE FIELD CONDITIONS ENCOUNTERED. CONTRACTOR SHALL REVIEW VARIATIONS TO SWPPP WITH DESIGN ENGINEER AND QUALIFIED PROFESSIONAL PRIOR TO IMPLEMENTATION.
- REMOVE GRAVEL DRIVEWAY USED DURING CONSTRUCTION AND CONSTRUCT THE PROPOSED PERVIOUS GRAVEL DRIVEWAY AFTER CONSTRUCTION ACTIVITIES SUCH AS THE INSTALLATION OF THE PANELS AND PERIMETER FENCE. THE SUB-GRADE MATERIAL WHERE THE DRIVEWAY IS TO BE INSTALLED SHALL BE DECOMPACTED PER NYSDEC'S "DEEP-RIPPING AND DECOMPACTION" MANUAL, DATED APRIL 2008. CONTRACTOR SHALL AVOID FREQUENT HEAVY TRAFFIC ON THE LIMITED USE PERVIOUS GRAVEL.
- AS ROADWAY AND ACCESS DRIVES ARE BROUGHT TO GRADE, THEY WILL BE STABILIZED WITH CRUSHED STONE SUBBASE AT A DEPTH SPECIFIED ON PLANS TO PREVENT EROSION AS SOON AS PRACTICABLE.
- STABILIZE ALL AREAS AS SOON AS PRACTICABLE, IDLE IN EXCESS OF 7 DAYS AND IN WHICH CONSTRUCTION WILL NOT RECOMMENCE WITHIN 14 DAYS.
- INSTALL UTILITIES. TRENCH EXCAVATION/BACKFILL AREAS SHOULD BE STABILIZED PROGRESSIVELY AT THE END OF EACH WORKDAY WITH SEED AND STRAW MULCH AT A RATE OF 100% PERENNIAL RYE GRASS AT 2-4 LBS/1000 SF MULCHED AT 90-100 LBS/1000 SF.
- STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT RECOMMENCE WITHIN 14 DAYS.
- REMOVE TEMPORARY CONSTRUCTION EXITS AND PERIMETER SILT FENCE ONCE SITE HAS ACHIEVED 80% UNIFORM STABILIZATION.

GENERAL NOTES:

- THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THIS MAP HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD MAPS. THEY ARE NOT CERTIFIED TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 1-800-962-7962.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH TITLE 29 OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (OSHA).
- HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD, DEBRIS ETC. AT ALL TIMES.
- THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER BEFORE DEVIATING FROM THESE PLANS.
- IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE. USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING.
- IF SUSPICIOUS AND/OR HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION/CONSTRUCTION, ALL WORK SHALL STOP AND THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE DEVELOPER HAS OUTLINED APPROPRIATE ACTION FOR DEALING WITH THE WASTE MATERIAL AND THE DEVELOPMENT PLANS ARE MODIFIED AS MAY BE NECESSARY.
- EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPTABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
- AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECTS CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JANUARY 1, 2020 AND ANY SUBSEQUENT APPENDICES.

WASTE/HAZARDOUS MATERIAL PRACTICES:

- WHENEVER POSSIBLE COVERED TRASH CONTAINERS SHOULD BE USED.
- DAILY SITE CLEANUP IS REQUIRED TO REDUCE DEBRIS AND POLLUTANTS IN THE ENVIRONMENT.
- CONTRACTOR SHALL PROVIDE A SAFE STORAGE SPACE FOR ALL PAINTS, STAINS AND SOLVENTS INSIDE A COVERED STORAGE AREA.
- ALL FUELS, OILS, AND GREASE MUST BE KEPT IN CONTAINERS AT ALL TIMES.

EROSION & SEDIMENT CONTROL NOTES:

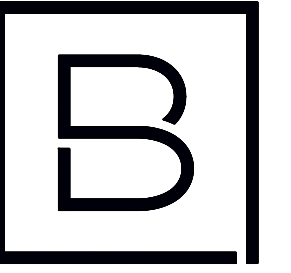
- INSTALL EROSION CONTROL MEASURES AS INDICATED ON THE PLAN PRIOR TO THE START OF ANY EXCAVATION WORK. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL MANUAL, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, AND THE GOVERNING MUNICIPAL REQUIREMENTS.
- REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER REPLACE TOPSOIL TO A MINIMUM 4" DEPTH WITH TOPSOIL OR AMENDED SOIL. ALL DISTURBED AREAS TO BE SEEDED TO PROMOTE VEGETATION AS SOON AS PRACTICABLE.
- IF THE SEASONS PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE "STANDARDS", NETTING OR LIQUID MULCH BINDER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE 80% UNIFORM VEGETATIVE COVER HAS BEEN ACHIEVED.
- ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED AT A MINIMUM OF EVERY 3 MONTHS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL OR AMENDED TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
- THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CONSTRUCTION DEBRIS AND SEDIMENT SPOILS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- DUST SHALL BE CONTROLLED BY WATERING.
- ADJOINING PROPERTY SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
- SLOPE TRACKING SHALL BE IMPLEMENTED ON ALL SLOPE 1 ON 3 OR GREATER AT THE END OF EACH WORK DAY AND PRIOR TO FINAL SLOPE GRADING AND STABILIZATION.

STORM WATER POLLUTION PREVENTION PLAN NOTES:

- THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTOR TO INSPECT THE PROJECT AT THE END OF EACH WORK WEEK AND PROVIDE A REPORT AT LEAST ONCE PER WEEK.
- EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL MANUAL, WESTCHESTER COUNTY DEPARTMENT OF HEALTH, AND THE TOWN OF YORKTOWN REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
- REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS TO BE HYDROSEED AS DIRECTED BY THE CONSTRUCTION MANAGER TO PROMOTE VEGETATION AS SOON AS PRACTICABLE.
- IF THE SEASONS PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE "STANDARDS", NETTING OR LIQUID MULCH BINDER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE 80% UNIFORM VEGETATION HAS BEEN ACHIEVED.
- ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED WHEN THEY HAVE REACHED THE DESIGN LIFE INDICATED IN THE NYS GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL DESIGN MANUAL OR EVERY THREE MONTHS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
- THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL AND EROSION CONTROL STRUCTURES THROUGHOUT CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CONSTRUCTION DEBRIS AND SEDIMENT SPOILS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- DUST SHALL BE CONTROLLED BY WATERING.
- ADJOINING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
- EROSION CONTROL MEASURES SHOULD BE RELOCATED INWARD AS PERIMETER SLOPE CONSTRUCTION PROGRESSES AND RECONSTRUCTED TO THE NYS STANDARDS & SPECIFICATION AT THE END OF EACH DAY.
- PERIMETER AREAS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH PROGRESSIVELY AT MINIMUM AT THE END OF EACH WEEK WITH 100% PERENNIAL RYEGRASS MIX AT A RATE OF 2-4 LBS PER 1000 SF AND MULCH 90-100 LBS PER 1000 SF OF WEED FREE STRAW.
- SLOPE TRACKING SHALL BE IMPLEMENTED ON ALL SLOPE 1 ON 3 OR GREATER AT THE END OF EACH WORK DAY AND PRIOR TO FINAL SLOPE GRADING AND STABILIZATION.

SITE STABILIZATION:

- WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE MULCHED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
- MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
- STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENTS MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL - ABOUT 3 INCHES. THIS METHOD SHOULD BE LIMITED TO SLOPES NO STEEPER THAN 3H:1V. THE MACHINERY SHOULD BE OPERATED ALONG THE CONTOUR. NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.
- BEFORE SEEDING IS APPLIED THE CONTRACTOR SHALL SPREAD SOIL TO PREVENT PONDING AND CONFIRM THAT SOIL WILL SUSTAIN THE SEED GERMINATION AND ESTABLISHMENT OF VEGETATION.
- GRADED AREAS SHOULD BE SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREAS AND TO PROVIDE A ROUGHENED SURFACE TO PREVENT TOPSOIL FROM SLIDING DOWN SLOPE. COMPACTED SOILS SHOULD BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES, ALONG CONTOUR WHEREVER POSSIBLE, PRIOR TO SEEDING.
- TOPSOIL OR AMENDED SOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A MINIMUM DEPTH OF 6 INCHES. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE. IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOIL PLACEMENT SHOULD BE CORRECTED IN ORDER TO PREVENT FORMATION OF DEPRESSIONS.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION. WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE $\frac{1}{2}$ " TO $\frac{1}{4}$ ". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE.
- POLYMERIC AND GUM TACKIFIERS MIXED AND APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY BE USED TO TACK MULCH. AVOID APPLICATION DURING RAIN AND ON WINDY DAYS. A 24-HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° F ARE TYPICALLY REQUIRED. APPLICATION SHOULD GENERALLY BE HEAVIEST AT EDGES OF SEEDED AREAS AND AT CRESTS OF RIDGES AND BANKS TO PREVENT LOSS BY WIND. THE REMAINDER OF THE AREA SHOULD HAVE BINDER APPLIED UNIFORMLY. BINDERS MAY BE APPLIED AFTER MULCH IS SPREAD OR SPRAYED INTO THE MULCH AS IT IS BEING BLOWN ONTO THE SOIL. APPLYING STRAW AND BINDER TOGETHER IS GENERALLY MORE EFFECTIVE.
- SYNTHETIC BINDERS, OR CHEMICAL BINDERS, MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
- MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SHREDDED PAPER HYDROMULCH SHOULD NOT BE USED ON SLOPES STEEPER THAN 5%. WOOD FIBER HYDROMULCH MAY BE APPLIED ON STEEPER SLOPES PROVIDED A TACKIFIER IS USED. THE APPLICATION RATE FOR ANY HYDROMULCH SHOULD BE 2,000 LB/ACRE AT A MINIMUM.
- LIME, FERTILIZER, SEED, AND MULCH DISTURBED AREAS PER THE EROSION AND SEDIMENT CONTROL PLANS. IN AREAS OF STEEP SLOPES OR OBVIOUS AREAS WHERE POTENTIAL EROSION MAY OCCUR, AN EROSION CONTROL MAT OR FLEXIBLE GROWTH MEDIUM (FGM) SHALL BE USED. FGM SHALL BE APPLIED PER MANUFACTURER SPECIFICATIONS.
- ONCE A SECTION OF THE ALIGNMENT HAS BEEN STABILIZED, NO CONSTRUCTION TRAFFIC SHALL OCCUR TO REMOVE ANY BMP'S UNTIL THE SECTION HAS ACHIEVED 80% PERENNIAL VEGETATIVE COVER. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NONVEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS.



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205

www.bergmannpc.com

office: 518.862.0325

HESP SOLAR, LLC

GRANITE KNOLLS PARK SOLAR PROJECT

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C.

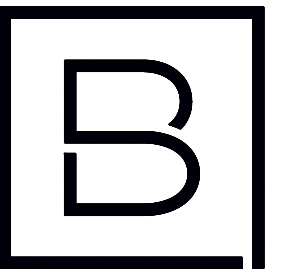
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

GENERAL NOTES

Drawing Number

C001



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

AREA PARCEL PLAN

Drawing Number

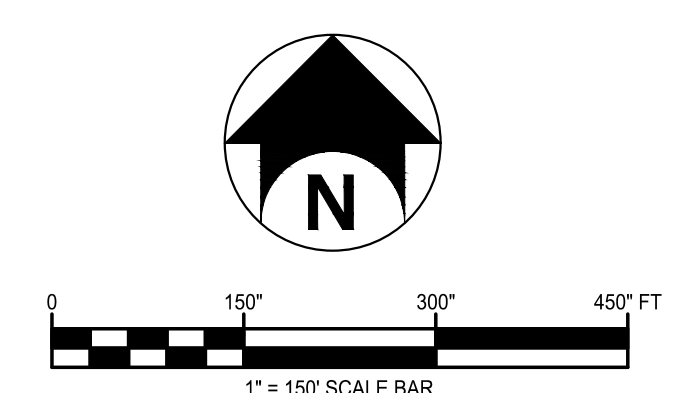
C002

Google Earth

NUMBER	TAX ID	PARCEL OWNER
1	26.13-1-11	JOSEPH II DARONCO
2	26.13-1-12	RICHARD & HERNANDEZ
3	26.13-1-13	MARK & MARY CONNELLY
4	26.13-1-14	JOSEPH & KEARNS
5	26.13-1-15	FRANK & LAUREN FONTANA

NUMBER	TAX ID	PARCEL OWNER
6	26.14-1-5	EMANUEL GUTZMER
7	26.14-1-3	MYRA & HELFAND
8	26.14-1-4	EDWIN & LYDIA CUEVO
9	26.13-1-4	YING & ZHONG CHENYIN LI
10	26.13-1-5	PHILIP & CHERYL MARIANO

NUMBER	TAX ID	PARCEL OWNER
11	26.13-1-6	STALYN & MARMOLEJOS
12	26.13-1-8	RIHCHARD & JABLONSKI
13	26.13-1-7	ROGER & PICCIRILLI
14	26.13-1-3	MYRA & HELFAND
15	26.14-1-2	TOWN OF YORKTOWN PARKLAND



3151 STOMEY ST. LLC
L.9844 P.274
TAX ID# 26.05-1-4

TOWN OF YORKTOWN PARKLAND
TAX ID# 26.09-1-22
AREA = 3,169,425.6± SQ. FT.
OR 72.76± ACRES



NOTES:

- 1) PROPERTY IS LOCATED IN ZONE X AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF YORKTOWN, COUNTY OF WESTCHESTER, STATE OF NEW YORK, COMMUNITY PANEL NUMBER 36119C0037F, EFFECTIVE DATE SEPTEMBER 28, 2007.
- 2) THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON AN INSTRUMENT LOCATION OF THE ABOVE GROUND FEATURES (MANHOLES, VALVES, HYDRANTS, ETC.) ALONG WITH RECORD UTILITY PLANS AND STAKEOUT IN THE FIELD BY THEIR RESPECTIVE COMPANIES. UNDERGROUND UTILITIES ARE NOT CERTIFIED TO THEIR LOCATION OR COMPLETENESS.
- 3) NO ABSTRACT OF TITLE PROVIDED, PROPERTY IS SUBJECT TO ANY EASEMENTS, ENCUMBRANCES OR RESTRICTIONS THAT AN ABSTRACT OF TITLE WOULD SHOW.
- 4) THE HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83) THROUGH GPS OBSERVATIONS.
- 5) THE VERTICAL DATUM IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) THROUGH GPS OBSERVATIONS.
- 6) THERE IS NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- 7) THERE IS NO EVIDENCE OF ANY PROPOSED CHANGES IN STREET RIGHT OF WAY LINES. THERE IS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- 8) THERE WERE NO WETLAND DELINEATION MARKERS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- 9) THE INSURED PROPERTY AS DESCRIBED IN THE TITLE COMMITMENT IS THE SAME AS THE PROPERTY SHOWN HEREON.
- 10) THE EXISTING TOPOGRAPHY IS BASED ON A MIX OF SURVEY AND LIDAR DATA

REFERENCES:

- 1) THE FOLLOWING DEEDS FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE:
CONTROL #502713410
CONTROL #572913900
- 2) TITLE REPORT BY XXXXXXX, TITLE #XXXXXX DATED XXXX, 2021.

LEGEND

	PROPERTY LINE
	ADJOINER PROPERTY LINE
	STONE WALL
	ROAD CENTERLINE
	OVERHEAD WIRE
	EXISTING FENCE
	STREAM CENTERLINE
	CONTOUR - MAJOR
	CONTOUR - MINOR
	SWALE CENTERLINE
	EDGE OF ASPHALT
	APPROXIMATE EXISTING TREELINE
	EXISTING WETLAND (PEM - NON WOTUS)
	EXISTING GRAVEL ROAD
	UTILITY POLE
	IRON MONUMENT
	FOUND CONCRETE MONUMENT
	EXISTING SIGN
	GUY WIRE

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

**NOT FOR
CONSTRUCTION**

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

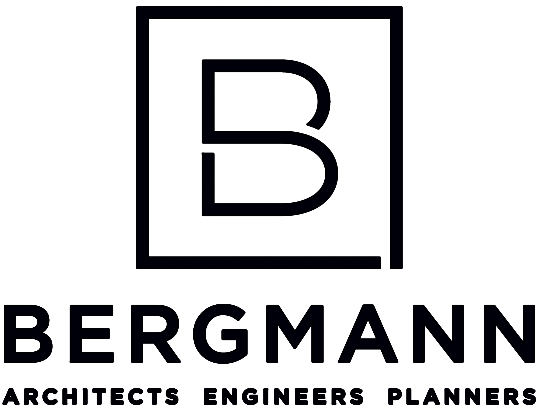
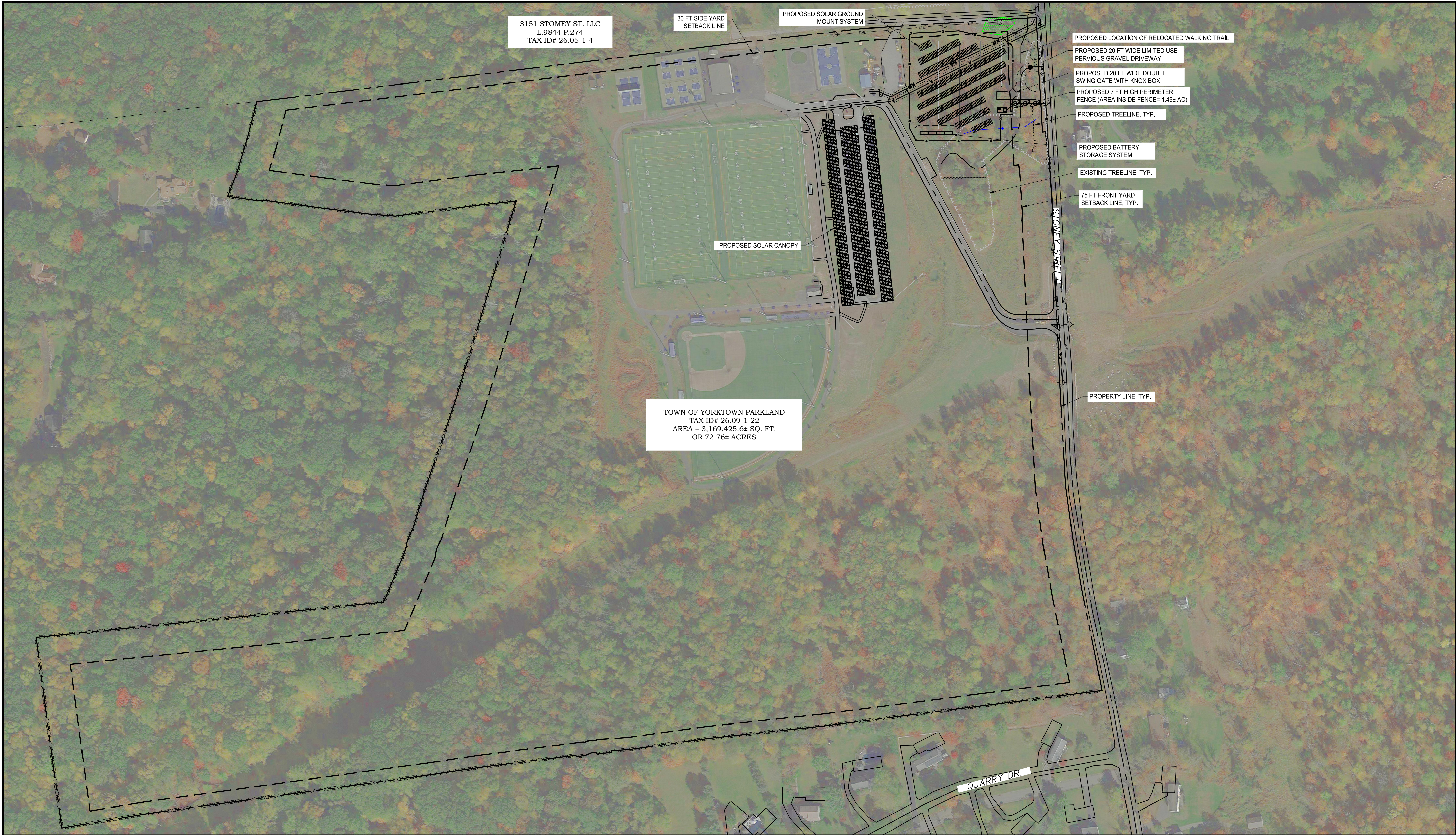
Project Manager ECR	Discipline Lead ECR
Designer AG	Reviewer MDP
Date Issued 09/15/2021	Project Number 15111.00

Sheet Name

EXISTING CONDITIONS

Drawing Number

C003



2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

GRANITE KNOLLS PARK SOLAR PROJECT

2975 STOMEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

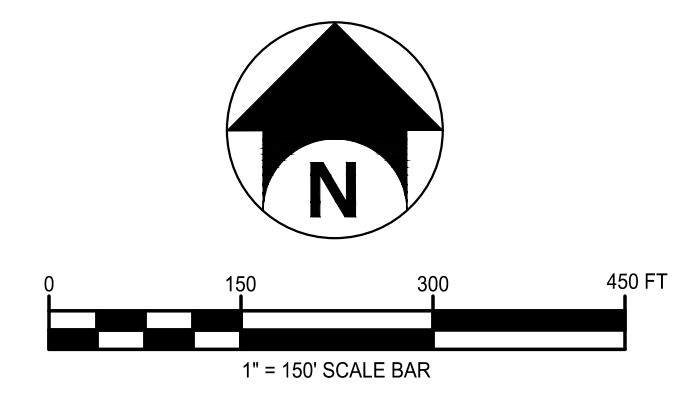
OVERALL SITE PLAN

Drawing Number

C004

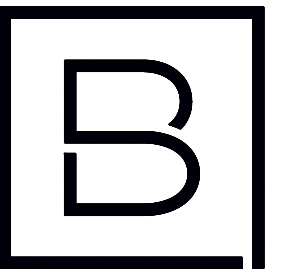
SITE PLAN DATA TABLE		
SITE IS LOCATED IN THE "R1-160" ONE-FAMILY RESIDENTIAL		
PROPOSED USE: SOLAR ENERGY SYSTEM		
PARCEL 26.09-1-22		
TOWN OF YORKTOWN, COUNTY OF WESTCHESTER		
STATE OF NEW YORK		
APPLICANT:	OWNER(S) OF RECORD:	
HESP SOLAR, LLC	TOWN OF YORKTOWN PARKLAND	
400 RELLA BOULEVARD, SUITE 160		
SUFFERN, NY, 10901		
INFO@HESPSOLAR.COM		
PLANS PREPARED BY:		
BERGMANN		
2 WINNERS CIRCLE, SUITE 102		
ALBANY, NY 12205		
(518) 862-0325		
DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT SIZE	N/A	3,169,425± SF / 72.76± ACRES
MINIMUM LOT WIDTH	N/A	1,675 ± FT
MIN. SIDE YARD SETBACK	30 FT	48± FT
MIN. FRONT YARD SETBACK	75 FT	82± FT
MIN. REAR YARD SETBACK	75 FT	638± FT

LEGEND			
	PROPERTY LINE		EXISTING EDGE OF ASPHALT
	SET BACK LINE		APPROXIMATE EXISTING TREELINE
	STONE WALL		EXISTING WETLAND (PEM - NON WOTUS)
	ADJOINER PROPERTY LINE		PROPOSED SOLAR CANOPY
	ROAD RIGHT-OF-WAY		PROPOSED SOLAR PANEL
	EXISTING ROAD CENTERLINE		EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE		PROPOSED UTILITY POLE
	EXISTING STREAM CENTERLINE		STONE LEVEL SPREADER
	PROPOSED FENCE LINE		
	EXISTING FENCE LINE		
	PROPOSED OVERHEAD UTILITY LINE		
	PROPOSED UNDERGROUND UTILITY LINE		
	PROPOSED SWALE		
	PROPOSED TREELINE		
	SWALE CENTERLINE		
	EXISTING BUILDING		



NOTES

- REQUIRED ZONING STANDARDS REFLECT THE MOST STRICT RESIDENTIAL ZONING REQUIREMENTS OF THE TOWN OF YORKTOWN PER SECTION 300 ATTACHMENT 1 APPENDIX A RESIDENCE ZONE STANDARDS.



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

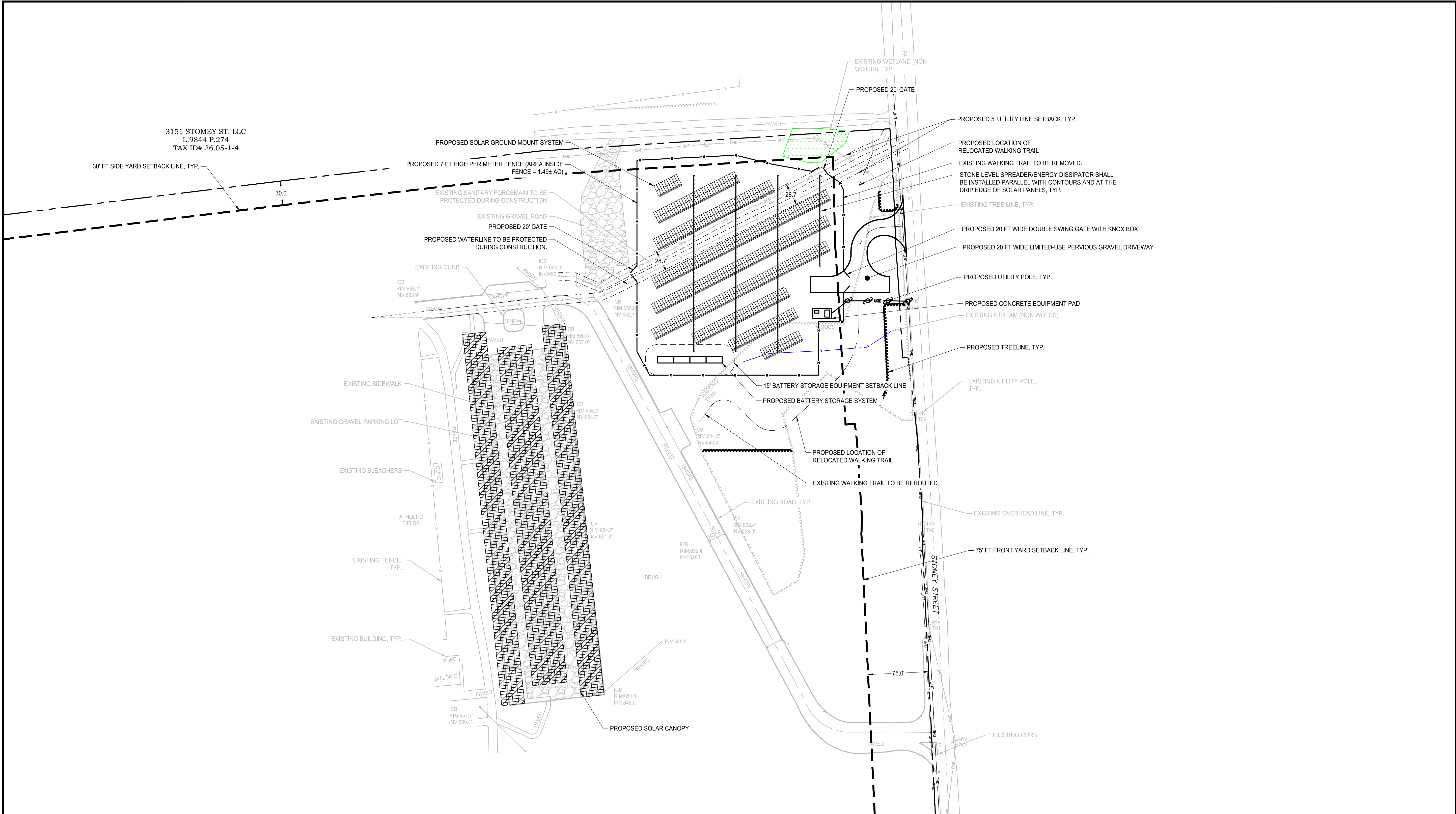
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

SITE PLAN

Drawing Number

C005

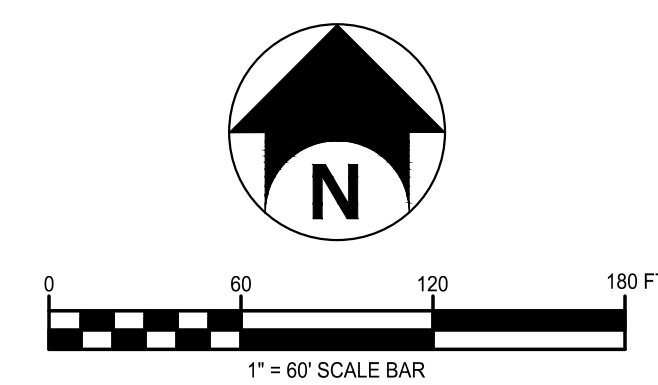


SITE PLAN DATA TABLE		
SITE IS LOCATED IN THE "R1-160" ONE-FAMILY RESIDENTIAL		
PROPOSED USE: SOLAR ENERGY SYSTEM		
PARCEL 26.09-1-22		
TOWN OF YORKTOWN, COUNTY OF WESTCHESTER		
STATE OF NEW YORK		
APPLICANT: HESP SOLAR, LLC 400 RELLA BOULEVARD, SUITE 160 SUFFERN, NY, 10901 INFO@HESPSOLAR.COM	OWNER(S) OF RECORD: TOWN OF YORKTOWN PARKLAND	
PLANS PREPARED BY: BERGMANN 2 WINNERS CIRCLE, SUITE 102 ALBANY, NY 12205 (518) 862-0325		
DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT SIZE	N/A	3,169,425± SF / 72.78± ACRES
MINIMUM LOT WIDTH	N/A	1,675 ± FT
MIN. SIDE YARD SETBACK	30 FT	48± FT
MIN. FRONT YARD SETBACK	75 FT	82± FT
MIN. REAR YARD SETBACK	75 FT	638± FT

- NOTES
- REQUIRED ZONING STANDARDS REFLECT THE MOST STRICT RESIDENTIAL ZONING REQUIREMENTS OF THE TOWN OF YORKTOWN PER SECTION 300 ATTACHMENT 1 APPENDIX A RESIDENCE ZONE STANDARDS.

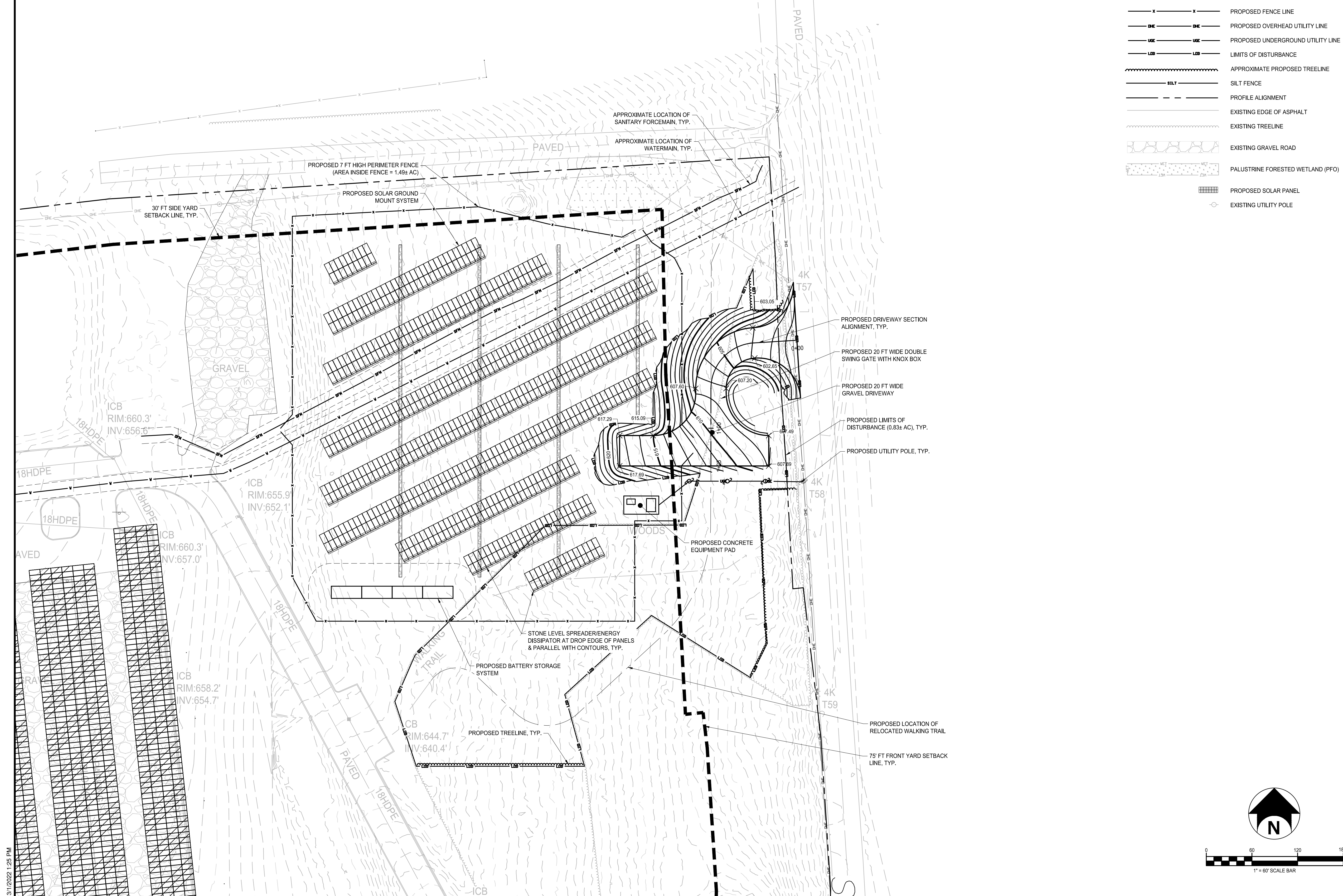
LEGEND

	PROPERTY LINE		EXISTING EDGE OF ASPHALT
	SET BACK LINE		APPROXIMATE EXISTING TREELINE
	STONE WALL		EXISTING GRAVEL ROAD
	ADJOINER PROPERTY LINE		EXISTING WETLAND (PEM - NON WOTUS)
	ROAD RIGHT-OF-WAY		PROPOSED SOLAR PANEL
	EXISTING ROAD CENTERLINE		EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE		PROPOSED UTILITY POLE
	EXISTING STREAM CENTERLINE		STONE LEVEL SPREADER
	PROPOSED FENCE LINE		
	EXISTING FENCE LINE		
	PROPOSED OVERHEAD UTILITY LINE		
	PROPOSED UNDERGROUND UTILITY LINE		
	PROPOSED SWALE		
	PROPOSED TREELINE		
	SWALE CENTERLINE		
	EXISTING BUILDING		



LEGEND

	PROPERTY LINE
	SET BACK LINE
	WETLAND SET BACK
	STONE WALL
	ADJOINER PROPERTY LINE
	ROAD RIGHT-OF-WAY
	EXISTING ROAD CENTERLINE
	EXISTING OVERHEAD WIRE
	EXISTING STREAM CENTERLINE
	PROPOSED FENCE LINE
	PROPOSED OVERHEAD UTILITY LINE
	PROPOSED UNDERGROUND UTILITY LINE
	LIMITS OF DISTURBANCE
	APPROXIMATE PROPOSED TREELINE
	SILT FENCE
	PROFILE ALIGNMENT
	EXISTING EDGE OF ASPHALT
	EXISTING TREELINE
	EXISTING GRAVEL ROAD
	PALUSTRINE FORESTED WETLAND (PFO)
	PROPOSED SOLAR PANEL
	EXISTING UTILITY POLE



2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

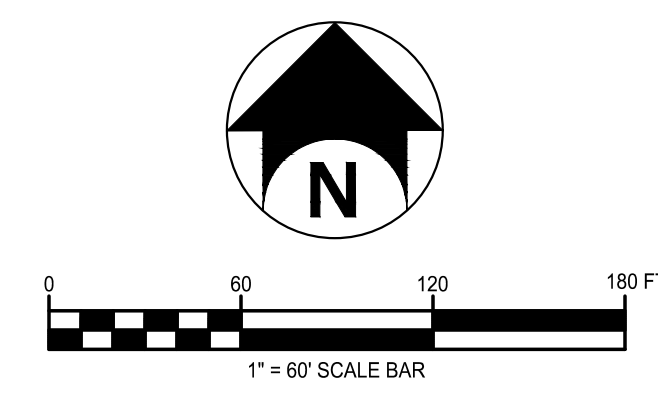
Project Manager ECR	Discipline Lead ECR
Designer AG	Reviewer ECR
Date Issued 09/15/2021	Project Number 15111.00

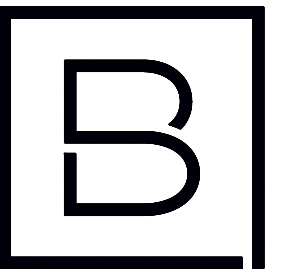
Sheet Name

GRADING PLAN

Drawing Number

C006





BERGMANN
ARCHITECTS ENGINEERS PLANNERS

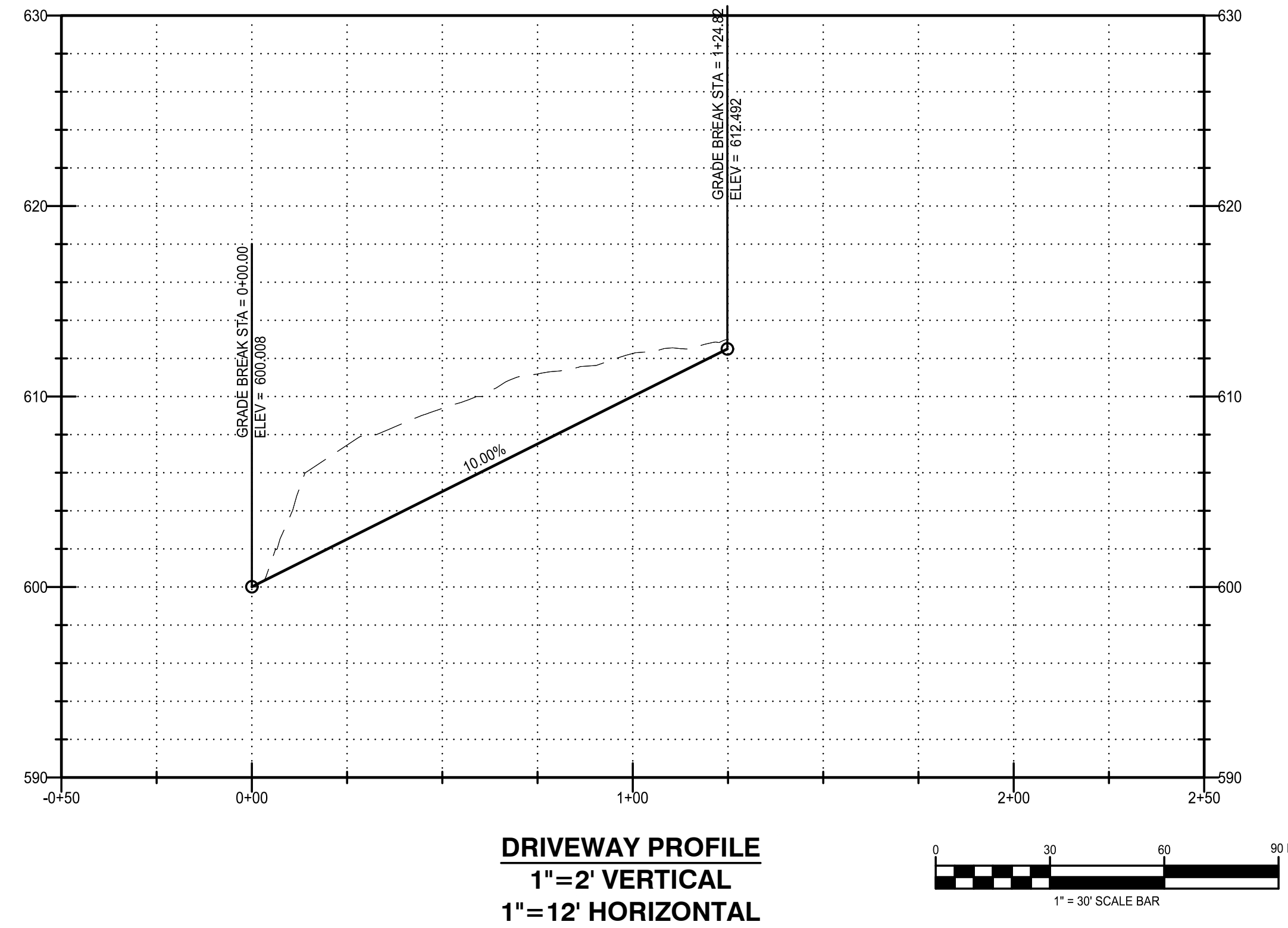
2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS



DRIVEWAY PROFILE
1" = 2' VERTICAL
1" = 12' HORIZONTAL

GENERAL NOTES:

- USE OF THIS DETAIL CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING, EQUIPMENT REPAIR OR MAINTENANCE)
- LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
- REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE IN SITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORM WATER DRAINAGE.
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOILS AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORM WATER DRAINAGE.
- ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
- THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 1.5% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
- LIMITED USE PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION. EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY, TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED USE PERVIOUS ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON OR OFF SITE, MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
- THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
- PROJECTS SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS. HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN FOLLOWING NOTES.
- THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THE DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY. HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION SHOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGE WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
- IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E. BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
- THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT / HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF GP-20-001 FOR THE DEFINITION OF "ALTER THE HYDROLOGY..."), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS.

GEOGRID MATERIAL NOTES:

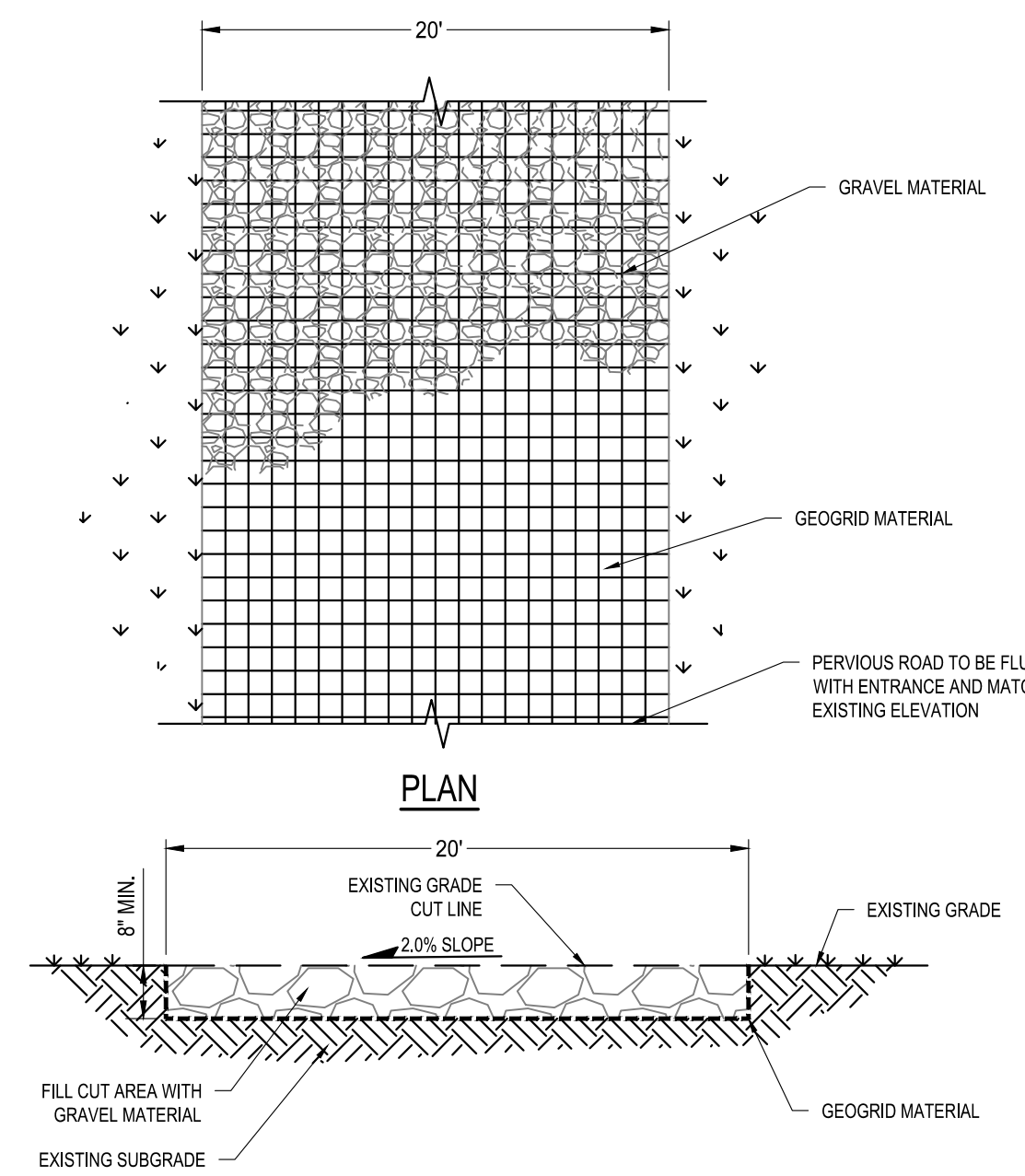
- THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE IN ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
- GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATION OF NYSDOT 703-02. SIZE DESIGNATION 3-4 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF AND SPREAD WITH A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT 703-02 SPECIFICATIONS.

BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS, 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA, 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

WOVEN GEOTEXTILE MATERIAL NOTES:

- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST OR GEOTECHNICAL DATA.
- THE CONCERN OF POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS, 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA, 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM



LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

NO SCALE

**NOT FOR
CONSTRUCTION**

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

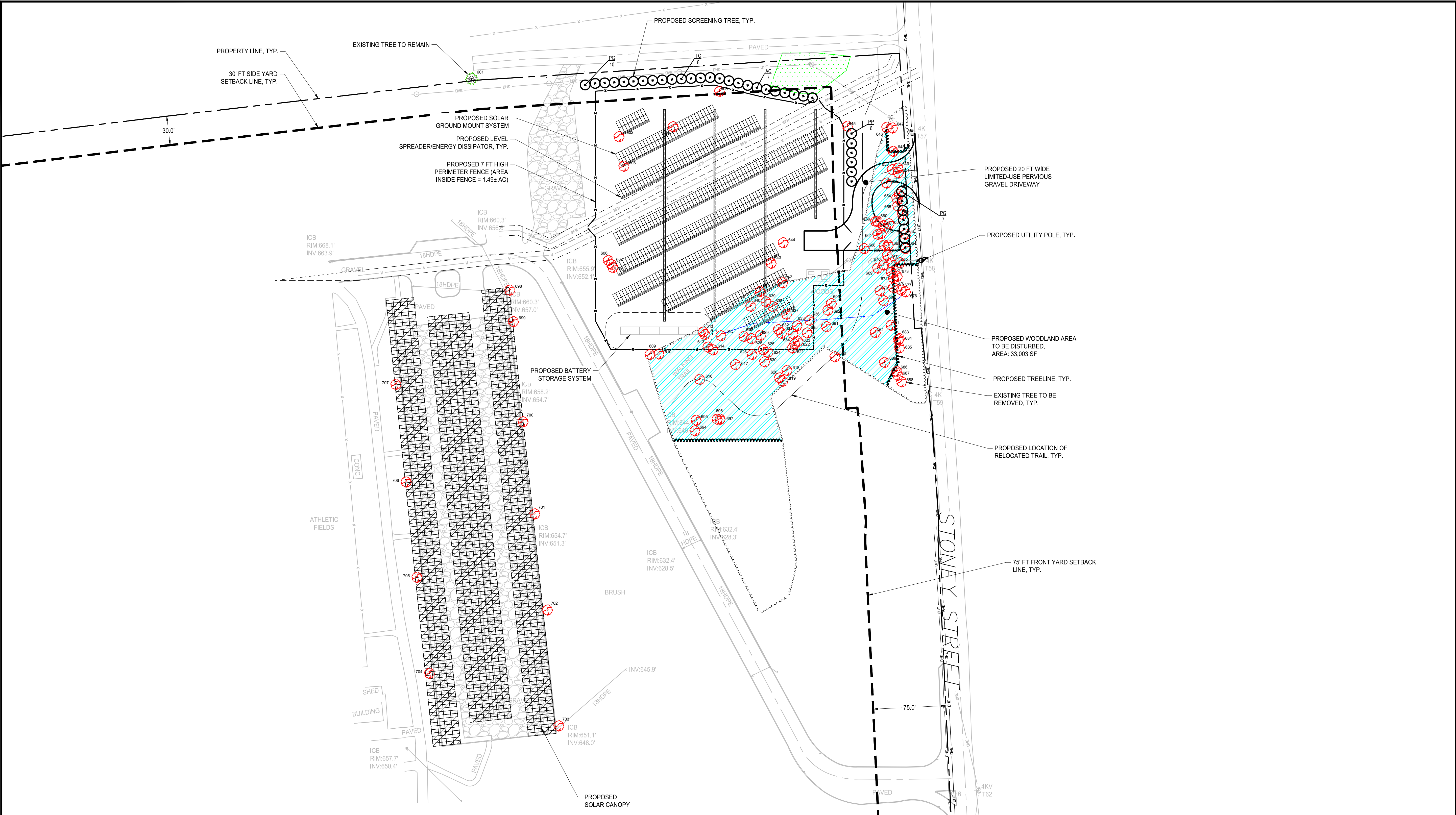
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	ECR
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

GRADING PLAN DETAILS

Drawing Number

C007

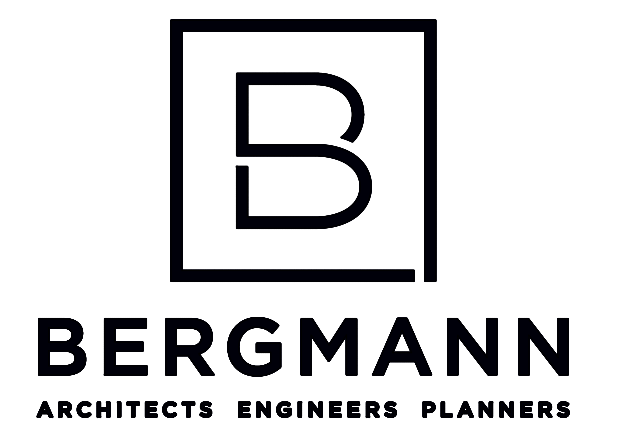
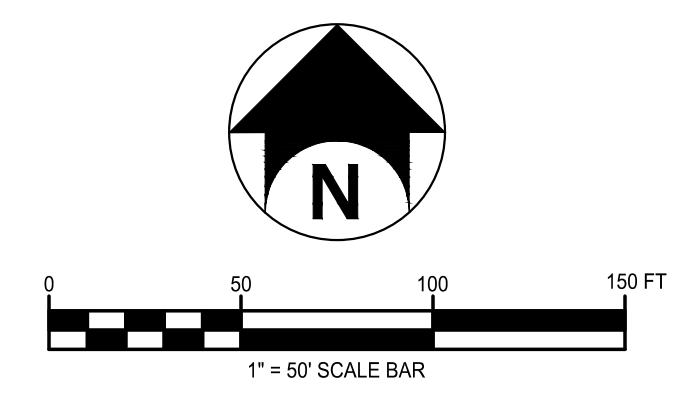


LEGEND

	PROPERTY LINE		EXISTING EDGE OF ASPHALT
	SET BACK LINE		APPROXIMATE EXISTING TREELINE
	STONE WALL		PROTECTED WOODLAND AREA TO BE DISTURBED
	ADJOINER PROPERTY LINE		EXISTING WETLAND (PEM - NON WOTUS)
	ROAD RIGHT-OF-WAY		PROPOSED SOLAR PANEL
	EXISTING ROAD CENTERLINE		EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE		PROPOSED UTILITY POLE
	EXISTING STREAM CENTERLINE		EXISTING TREE TO BE REMOVED
	PROPOSED FENCE LINE		EXISTING TREE TO REMAIN
	EXISTING FENCE LINE		PROPOSED SCREENING TREE
	PROPOSED OVERHEAD UTILITY LINE		
	PROPOSED UNDERGROUND UTILITY LINE		
	PROPOSED SWALE		
	PROPOSED TREELINE		
	SWALE CENTERLINE		
	EXISTING BUILDING		

TREE MITIGATION DATA TABLE		
TREES TO BE REMOVED	TREES TO REMAIN	PROTECTED WOODLAND AREA DISTURBED (SF)
106	1	33,003

PLANT LIST								
Key	Qty.	Botanical Name	Common Name	Mature Size		Installed Size	Condition	DBH
				Height	Spread			
Evergreen Trees								
AC	7	Abies Concolor	White Fir	50'-75'	20'-30'	6'-7' Ht.	B&B	3"
PG	17	Picea Glauca	White Spruce	40'-60'	10'-20'	8' Ht.	B&B	3"
TC	8	Tsuga Canadensis	Canadian Hemlock	40'-70'	25'-35'	8' Ht.	B&B	3"
PP	6	Picea Pungens	Colorado Spruce	30'-60'	10'-20'	7'-8' Ht.	B&B	3"
TOTAL	38							



2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

GRANITE KNOLLS PARK SOLAR PROJECT

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

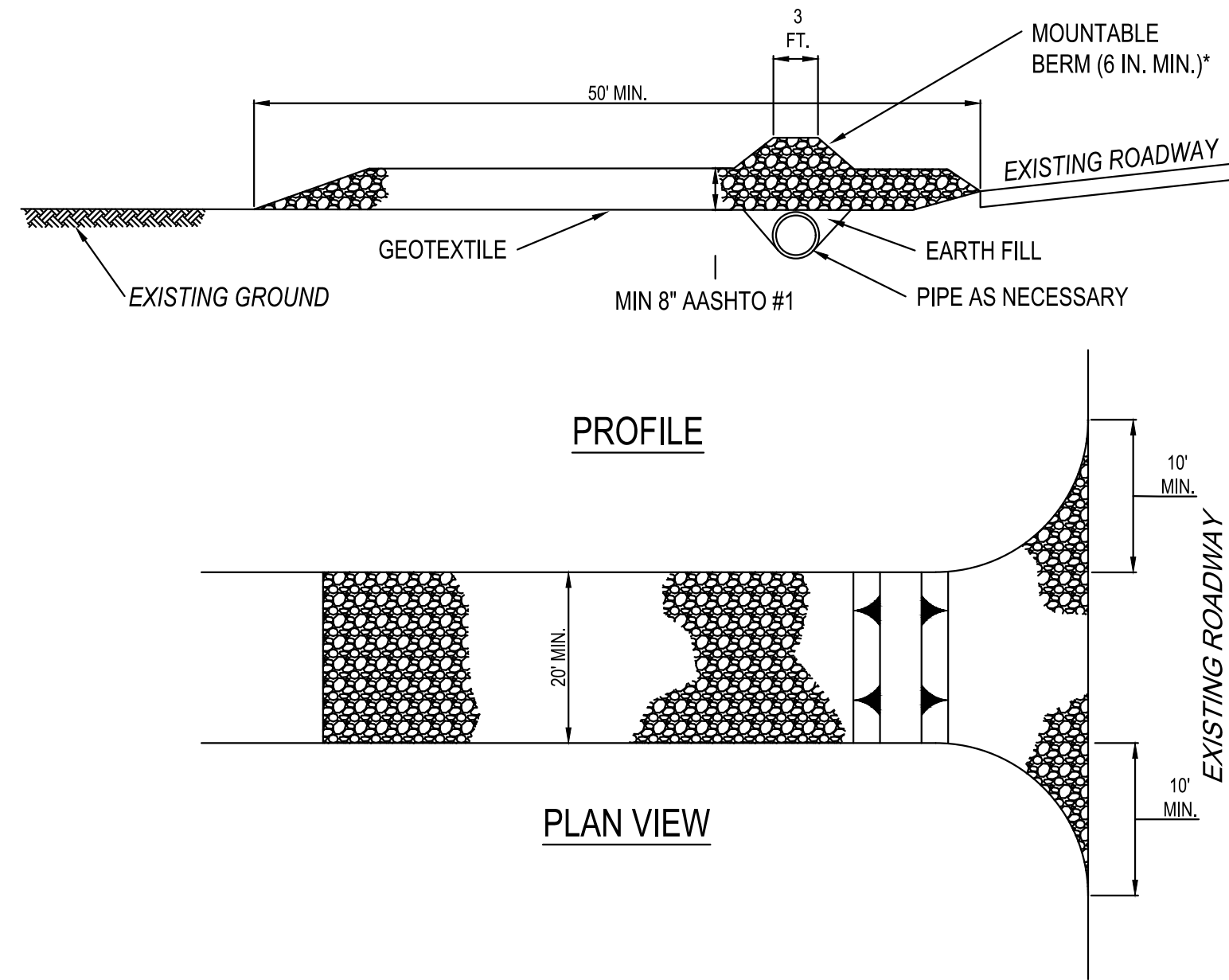
Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

LANDSCAPING/TREE MITIGATION SITE PLAN

Drawing Number

C008

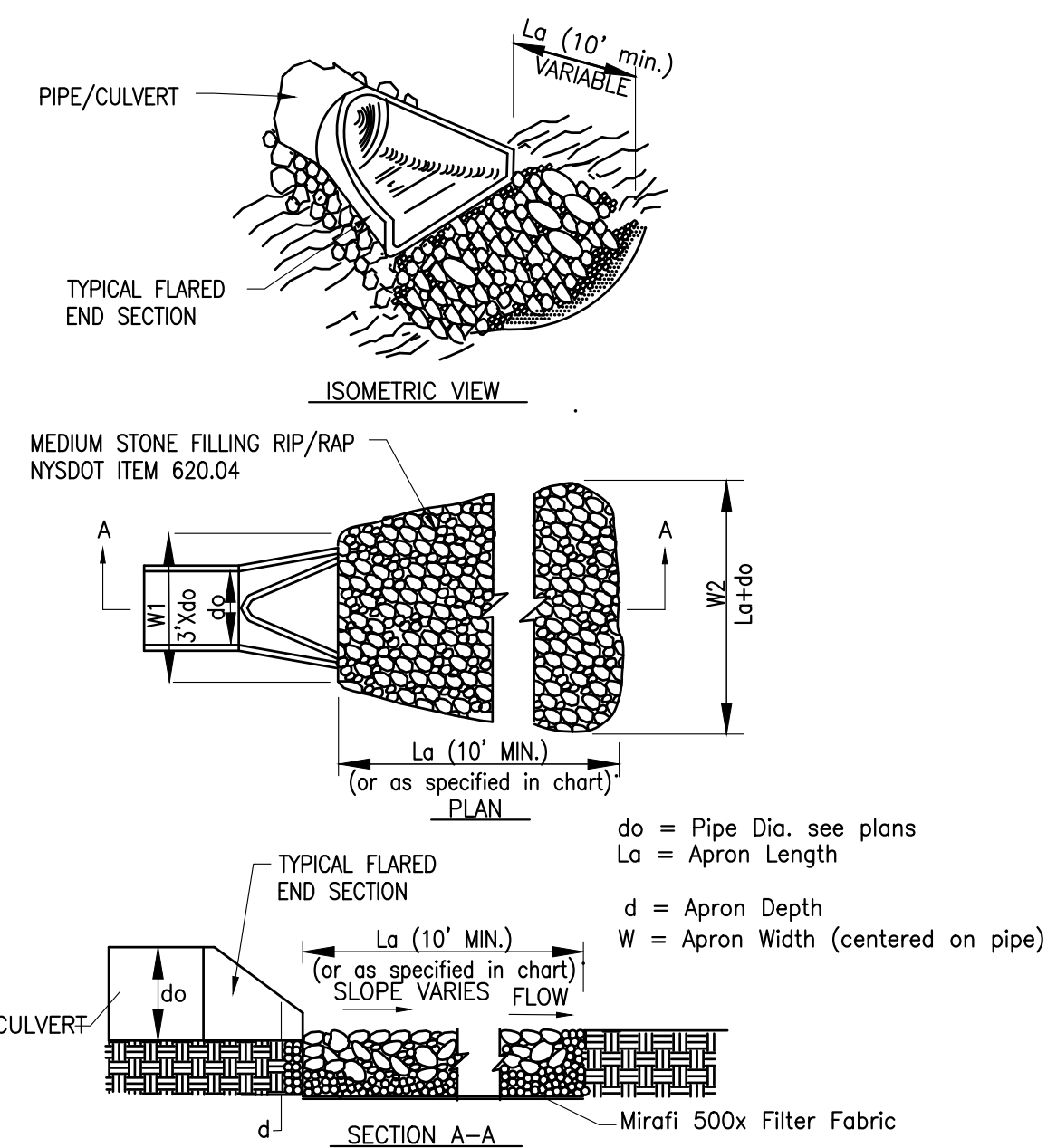


* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

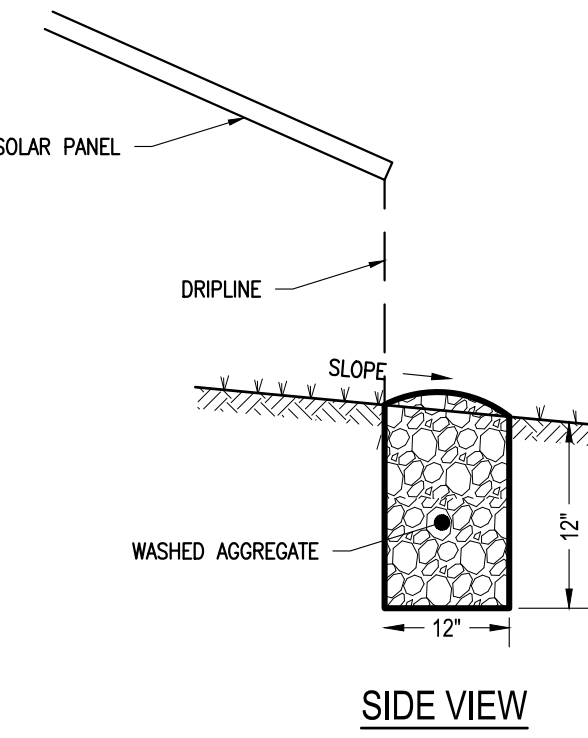


PIPE DIA.	W1-MINIMUM	W2-MINIMUM	La-MINIMUM	D-MINIMUM
12"	3'	15'	14'	13.5'
18"	4.5'	15.5'	14'	13.5'
24"	6'	15'	13'	13.5'

NOTES:

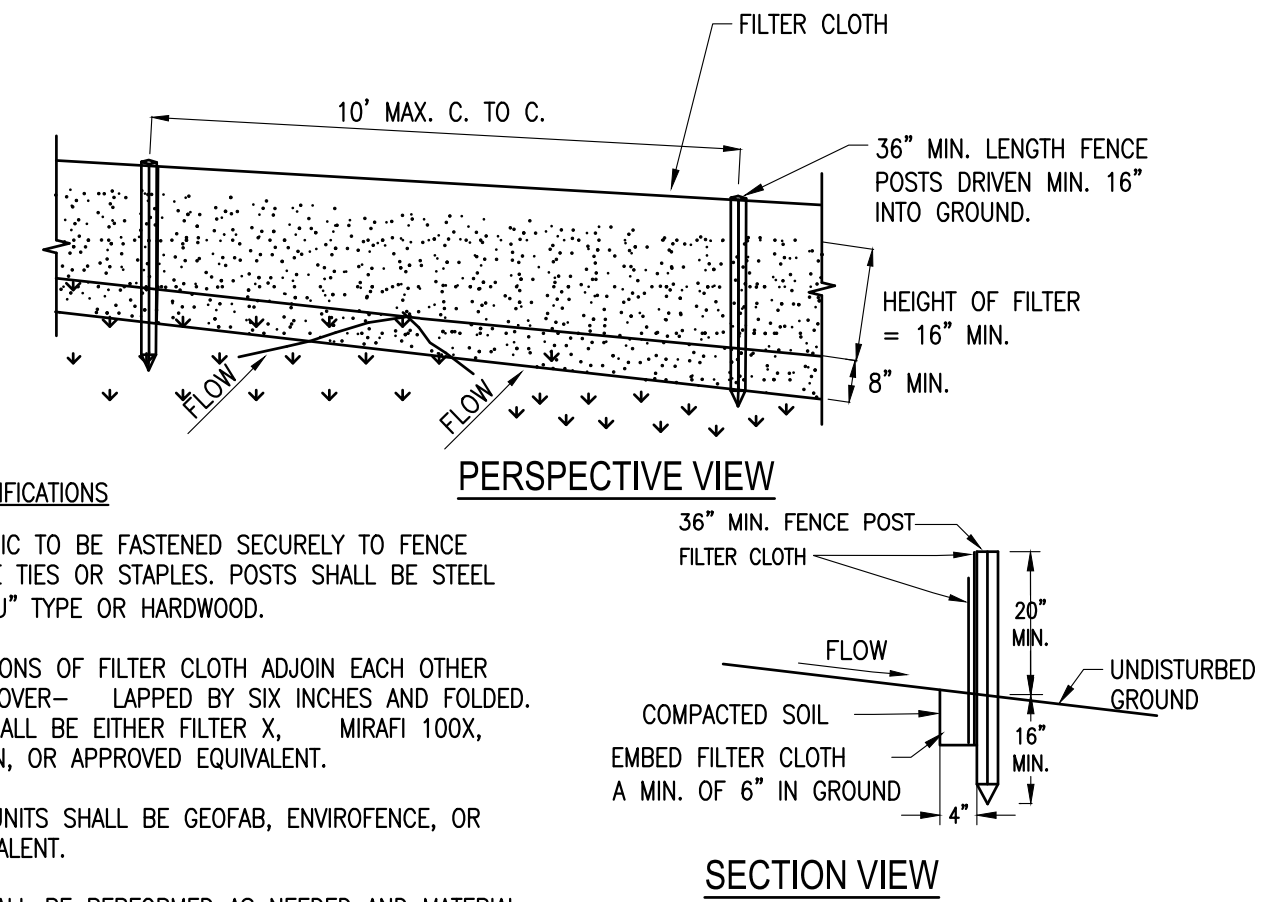
1. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NO LESS THAN 6".
2. INSTALL FILTER MIRAFI 500X OR APPROVED EQUAL FILTER FABRIC BETWEEN RIP-RAP AND SUBGRADE

OUTLET PROTECTION RIP-RAP APRON
N.T.S.



SIDE VIEW

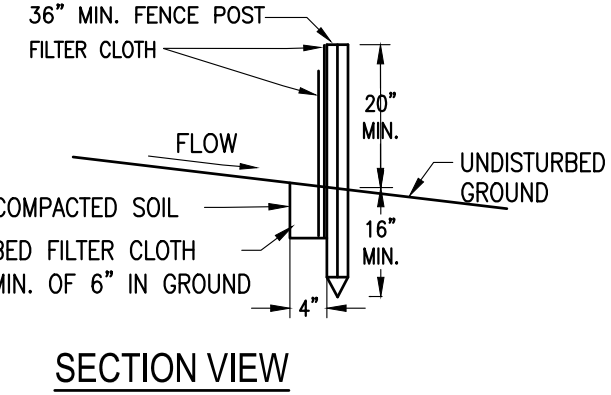
SOLAR PANEL INSTALLATION WITH LEVEL SPREADERS
N.T.S.



CONSTRUCTION SPECIFICATIONS

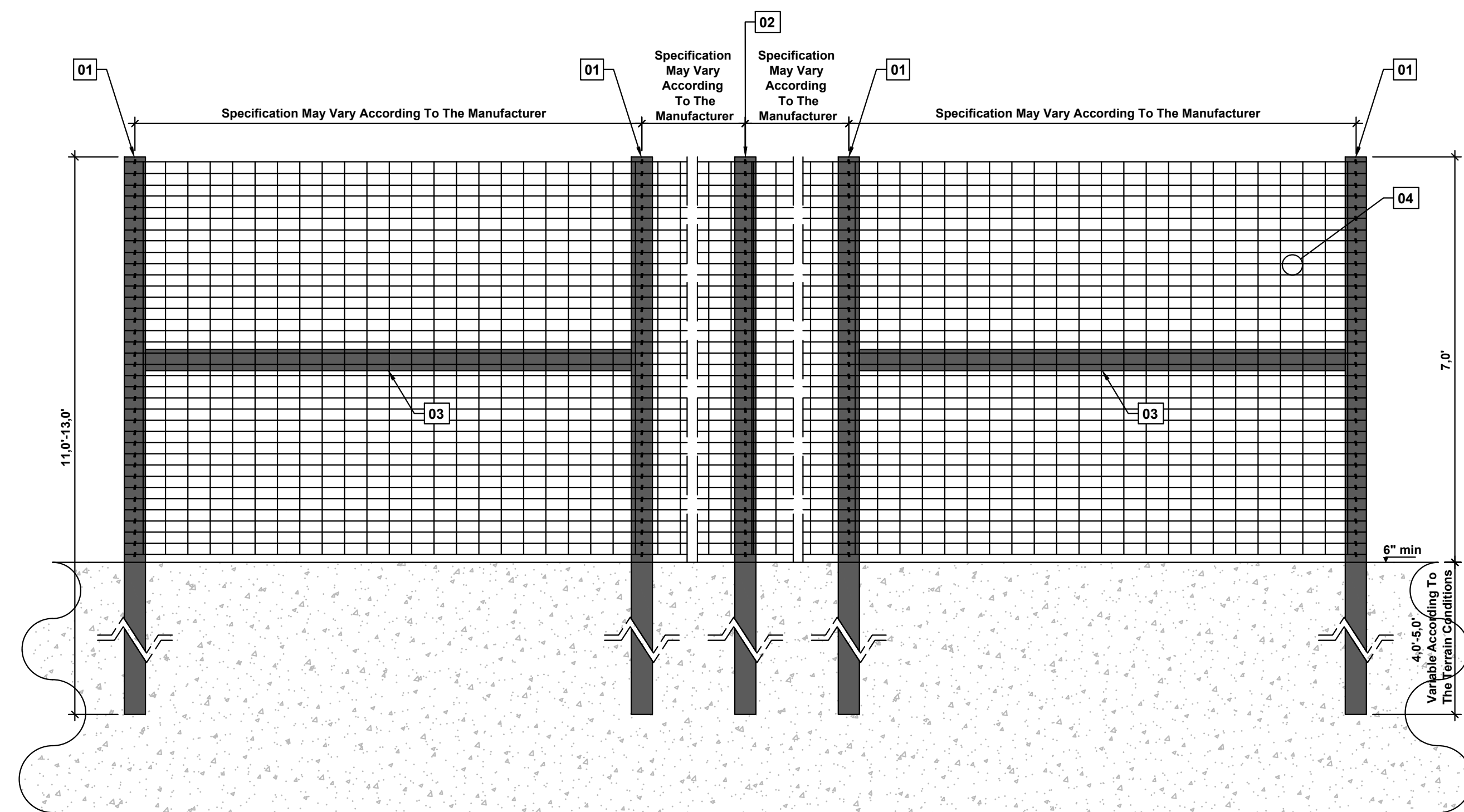
1. SILT FENCE FABRIC TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
3. PREFABRICATED UNITS SHALL BE GEOTEX, ENVROFENCE, OR APPROVED EQUIVALENT.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

PERSPECTIVE VIEW



SECTION VIEW

SILT FENCE DETAIL
N.T.S.



FRONT VIEW

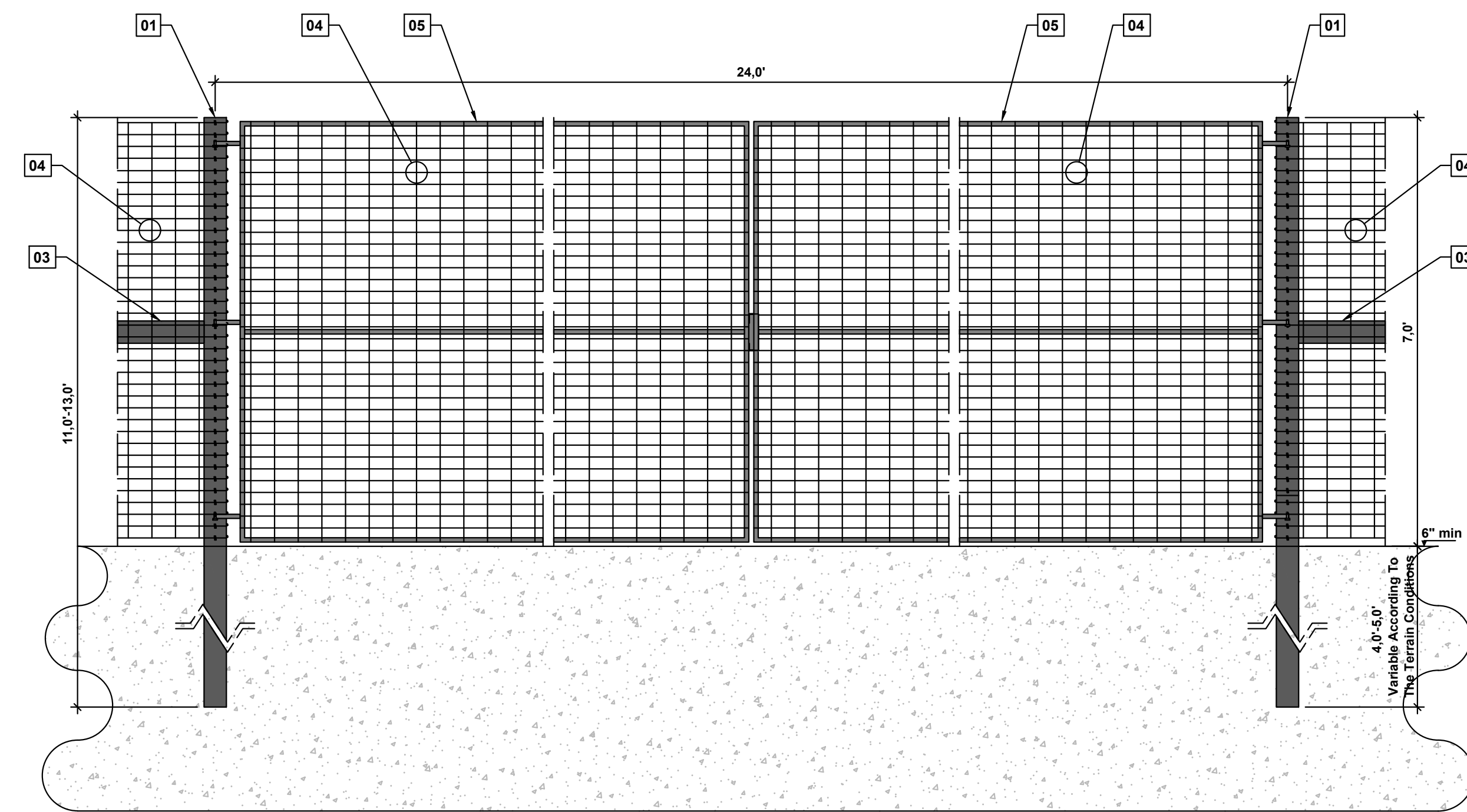
- 01 CORNER POST 5'-6" r 6'-7" WITH BRACING FOR STABILITY
- 02 LINE POST 5'-6" r 6'-7"
- 03 BRACING CORNER POST 5'-6" r 6'-7"
- 04 FIXED-KNOT WOVEN GALVANI ED WIRE, BLACK, 10-12.5 GA.
- 05 ACCESS GATE
- 06 2" 2" WOOD STAKES
- 07 FIBER ROLL 9"

NOTES:

1. PER TOWN CODE, A SAFETY SIGN SHALL BE ATTACHED TO THE MAIN GATE THAT CONTAINS A HIGH VOLTAGE WARNING AND THE BROOME COUNTY EMERGENCY SERVICES TELEPHONE NUMBER. THIS SIGN SHALL ADHERE TO THE SIGN REQUIREMENTS FOR THE ZONING DISTRICT IN WHICH IT IS LOCATED. A SOLAR ENERGY SYSTEM SHALL NOT BE USED TO DISPLAY PERMANENT OR TEMPORARY ADVERTISING.

PERIMETER FENCE DETAIL

NO SCALE



FRONT VIEW

- 01 CORNER POST 5'-6" r 6'-7" WITH BRACING FOR STABILITY
- 02 LINE POST 5'-6" r 6'-7"
- 03 BRACING CORNER POST 5'-6" r 6'-7"
- 04 FIXED-KNOT WOVEN WIRE
- 05 ACCESS GATE
- 06 2" 2" WOOD STAKES
- 07 FIBER ROLL 9"

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

DETAILS I

Drawing Number

C009

UPLAND SEED MIX		
LOW-GROWING WILDFLOWER & GRASS MIX - ERNMX #156		
SEEDING RATE: 20 LB PER ACRE WITH A COVER CROP OF GRAIN RYE AT 30 LB PER ACRE		
SCIENTIFIC NAME	COMMON NAME	% OF MIX
FESTUCA OVINA	SHEEP FESCUE, VARIETY NOT STATED	63.60
LOLIUM MULTIFLORUM (L. PERENNE VAR. ITALICUM)	ANNUAL RYEGRASS	17
LINUM PERENNE SSP. LEWISII	PERENNIAL BLUE FLAX	8
RUDBECKIA HIRTA	BLACKEYED SUSAN, COASTAL PLAIN NC ECOTYPE	2
COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS, COASTAL PLAIN NC ECOTYPE	2
CHRYSANTHEMUM LEUCANTHEMUM	OXEYE DAISY	2
CHRYSANTHEMUM MAXIMUM	SHASTA DAISY	1
CHAMAECRISTA FASCICULATA (CASSIA F.)	PARTRIDGE PEA, PA ECOTYPE	1
PAPAVER RHOEAS, SHIRLEY MIX	CORN POPPY/SHIRLEY MIX	1
ACHILLEA MILLEFOLIUM	COMMON YARROW	0.5
ASTER OBLONGIFOLIUS (SYMPHYOTRICHUM OBLONGIFOLIUM)	AROMATIC ASTER, PA ECOTYPE	0.5
EUPATORIUM COELESTINUM (CONOCLINIUM C.)	MISTFLOWER, VA ECOTYPE	0.5
MONARDA PUNCTATA, COASTAL PLAIN SC ECOTYPE	SPOTTED BEEBALM, COASTAL PLAIN SC ECOTYPE	0.5
ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	0.3
PYCNANTHEMUM TENUIFOLIUM	SLENDER MOUNTAINMINT	0.1
COMPANY INFORMATION		
ERNST CONSERVATION SEEDS, INC.		
ADDRESS: 8884 MERCER PIKE, MEADVILLE, PA 16335		
PHONE: (800) 873-3321		
WEB: HTTP://WWW.ERNSTSEED.COM		

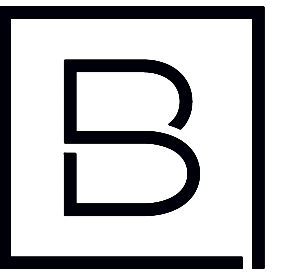
*OR APPROVED EQUIVALENT

SOIL AMENDMENT APPLICATION RATE EQUIVALENTS					
SOIL AMENDMENT	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	NOTES	
PERMANENT SEEDING	AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST: MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
	10-10-20 FERTILIZER	1,000 L.B.	25 LB.	210 LB.	
TEMPORARY SEEDING	AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
	10-10-20 FERTILIZER	500 LB.	12.5 LB.	100 LB.	
COMPOST STANDARDS					
ORGANIC MATTER CONTENT		80 - 100 (DRY WEIGHT BASIS)			
ORGANIC PORTION		FIBROUS AND ELONGATED			
pH		5.5 - 8.0			
MOISTURE CONTENT		35 - 55			
PARTICLE SIZE		98 PASS THROUGH 1" SCREEN			
SOLUBLE SALT CONCENTRATION		5.0 dS/ (/) MAXIMUM			
MULCH APPLICATION RATES					
MULCH TYPE	APPLICATION RATE (MIN.)			NOTES	
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.		
STRAW	3 TONS	140 LB.	1,240 LB.	EITHER WHEAT OR OAT STRAW, FREE OF WEEDS, NOT CHOPPED OR FINELY BROKEN	
HAY	3 TONS	140 LB.	1,240 LB.	TIMOTHY, MIXED CLOVER AND TIMOTHY, OR OTHER NATIVE FORAGE GRASSES	
WOOD CELLULOSE	1,500 LB.	35 LB.	310 LB.	DO NOT USE ALONE IN WINTER, DURING HOT AND DRY WEATHER OR ON STEEP SLOPES (3:1)	
WOOD	1,000 LB. CELLULOSE	25 LB.	210 LB.	WHEN USED OVER STRAW OR HAY	
WOOD CHIPS	4 - 6 TONS	185 - 275 LB.	1,650 - 2,500 LB.	MAY PREVENT GERMINATION OF GRASSES AND LEGUMES	

NOTES:

- WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE TEMPORARILY STABILIZED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
- MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
- STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN.
- TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF 4 INCHES MINIMUM. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OF SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE 1/2" TO 3/4". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE.
- BLANKETING SHALL BE USED ON ALL SLOPES 3H:1V OR STEEPER OR AS NOTED ON THE PLANS.
- PERMANENT STABILIZATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF EARTH DISTURBANCE.

SITE STABILIZATION - SEED MIX
N.T.S.



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

2 Winners Circle, Suite 102
Albany, NY 12205
www.bergmannpc.com
office: 518.862.0325

HESP SOLAR, LLC

**GRANITE KNOLLS
PARK SOLAR PROJECT**

2975 STONEY STREET
MOHEGAN LAKE, NY 10547

Date Revised	Description
10/27/2021	REVISED PER CLIENT COMMENTS
11/09/2021	REVISED PER CLIENT COMMENTS
01/06/2022	REVISED PER CLIENT COMMENTS
03/01/2022	REVISED PER TOWN COMMENTS

NOT FOR
CONSTRUCTION

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
AG	MDP
Date Issued	Project Number
09/15/2021	15111.00

Sheet Name

DETAILS III

Drawing Number

C011

ZBA Referral Slice Pizza

Interoffice

MEMORANDUM

TO: Planning

FROM: Kyra Brunner, on behalf of the Zoning Board of Appeals

DATE: February 25, 2022

RE: Zoning Board of Appeals Referrals

The Zoning Board of Appeals has requested a report from you with respect to the attached applications:

- Slice Pizza #12/22

I have attached any plans and/or pertinent materials that were submitted with the applications to assist in your review.

Please submit all reports with the original.

These files are presently in the Town Attorney's office. If any further information is needed, please do not hesitate to call.

The Zoning Board of Appeals will be taking these matters up at the March 31, 2022 meeting.

Thank you for your cooperation.

KB
Attachments



Building Department

Town Hall, 363 Underhill Avenue, Yorktown Heights, NY 10598
Tel. (914) 962-5722 ext.233 | Fax (914) 962-1731 | Email: building@yorktownny.org

Application for a Zoning Variance

(Please legibly complete all lines on the application)

Office use only
Application #: 12/22 Fee Paid: \$210 Date: 2/18/22 Received by: KB

A total of 6 copies of the following are to be submitted to the Legal Assistant:

- Application Form
Notice of Denial
A survey map or plot plan showing all existing and proposed buildings and structures
All data relating to the variance
Please check with the Building Department to determine if you need to fill out an Environmental Assessment Form

Fee of \$210.00

Date: 2/17/22

All items (1-9) must be completed

1. Premises located on the North side of Rte 202
(North, South, East, West) (Street, Road, Drive)

near Francis St. Pkwy

2. Section Block Lot

3. Date the title of premise was acquired by the applicant 2/18/22

4. The same premises is now improved with a Multi-tenant
retail store
(Type of Building or Structure)

5. The Variance Requested is as follows: _____

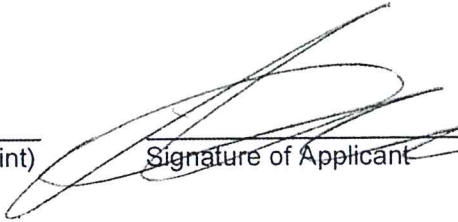
_____ in a(n) _____ zoning district.

6. Telephone Number (Home) 914-962-6100 (Work) _____

7. Email GRACELANI@aol.com

8. Address of Subject Property: 3200 Chestnut Rd
Yonkers NY
10598

9. Address of Applicant/Owner: o/p Slice Pizza
Cancer Grace
340 Underhill Ave
Yonkers NY 10598

Name of Applicant (please print)  _____
Signature of Applicant Date

Name of Owner (If not applicant) _____
Signature of Owner Date



Town of Yorktown

Building Department

Town Hall, 363 Underhill Avenue, Yorktown Heights, NY 10598
Tel. (914) 962-5722 ext.233 Fax (914) 962-1731

Notice of Denial

To: Michael Grace

Date: January 21, 2022

Regarding:

Name of Applicant: Michael Grace

Proposed Use/ Development: Slice Pizza

Location of Proposed Use/ Development: 3220 Crompond Rd

Tax#: Section: Block: Lot(s): 26.18-1-18

Type of Application:

- Building Permit ()
- Special Use Permit () Type of Proposed Use: ()
- Other (X): Sign permit

Zoning District: C-3

Please Take Notice that your application is denied on the following grounds:

A request for sign variances are as follows for this location:

- South elevation (facing Crompond Rd)- variance requested for a sign that is 37.675 square feet were 25 square feet is allowed
- All variances as per 300-21 appendix D of the Town Zoning Code

Please Take Further Notice that it is the right of the property owner or his/her authorized representative to appeal this determination to the Town of Yorktown Zoning Board of Appeals by applying for a use variance, area variance, or interpretation of the applicable section of local law. Appeals applications are available at the Building Department and at the Town web site at www.yorktownny.org.



Assistant Building Inspector
Steven Fraietta

Slice: LED Illuminated Channel Letters



Location: 3228 Crompond Rd., Yorktown Hgts, NY 10598

Size of Signage: 82.2" W x 66" H (6.85' W x 5.5' H)

Materials Used:

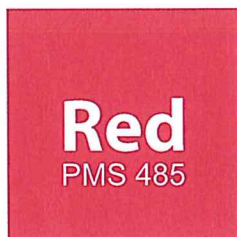
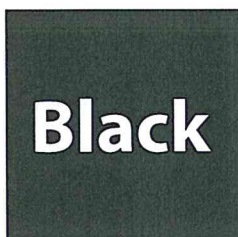
Plexiglass Faces w/Black Perforated Vinyl, Black Jewelite Trim
(Plexiglass, Aluminum, Cut Vinyl, Jewelite Trim)

Store Frontage: 21'

Total Square Footage Utilized: 37.675 FT²

Total Square Footage Allowed: 25 FT²

Color Palette



Slice: LED Illuminated Channel Letters



Renderings:

DRAWN TO APPROXIMATE SCALE



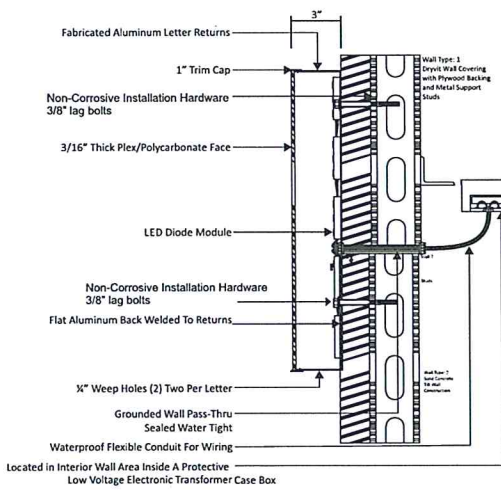
Slice: LED Illuminated Channel Letters



Dimension: 82.2" w x 66" h



LED ILLUMINATED CHANNEL LETTERS



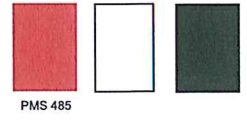
120 volt 20 amp circuit

FRAGILE #12 BUN. THIN TRIM ELECTRICAL SIGNAGE HOUSING
5' ELECTRICAL RIGID, INSUL. 1/2" MIN. THICK R/W
FLEXIBLE CONDUIT OR UL APPROVED EQUAL AS REQUIRED.
(120V ELECTRICAL SERVICE BY OTHERS)
UL APPROVED WEATHER PROOF OR AMP ELECTRICAL SERVICE
DISCONNECT SWITCH AS PER NEC 408.4(A)(1), CONNECTED
TO THIS CLOSURE OR PHOTOCELL AS PER NEC 408.4(C) REQUIREMENTS.
THE LOCATION OF THE DISCONNECT SWITCH AFTER INSTALLATION SHALL
COMPLY WITH ARTICLE 408.4(A)(1) OF THE NATIONAL ELECTRICAL CODE.

JUNCTION BOX

ELECTRICAL SPECIFICATIONS (I.E.D.)

ALL ELECTRICAL COMPONENTS WILL BE UL LISTED AND APPROVED
AS PER NEC 404.4 (EXC. 4) & DESIGNED TO UL 844 PER I.E.C. 553-11
ALL SIGNS ARE TO BE GROUNDING AND BONDING PER NEC 400.7 AND 250
ALL WIRING INSIDE LETTERS WILL BE 12V, CLASS 2 (E.G. 1) LOW VOLTAGE WIRING.
ALL PRIMARY BRINGS WILL BE #12 THIN HIGH TENSION AS PER NEC 600.12(C).
JUNCTION BOX INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR
TO WITHIN 6" OF SIGN LOCATION.



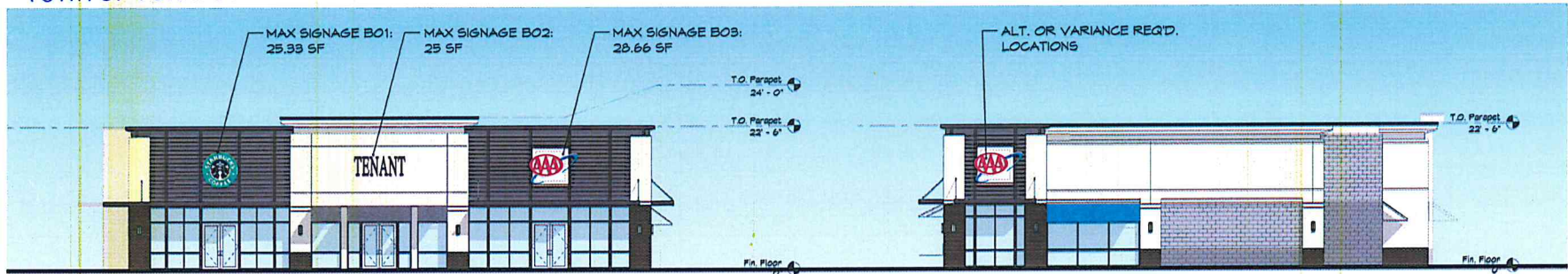
Black Letters illuminated white at night



RECEIVED
PLANNING DEPARTMENT

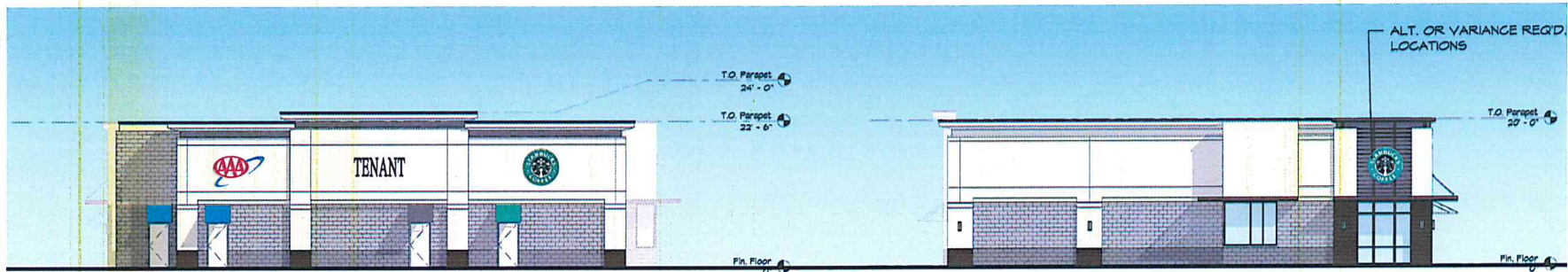
SEP 25 2020

TOWN OF YORKTOWN



1 South Elevation
Scale: 1/8" = 1'-0"

3 East Elevation
Scale: 1/8" = 1'-0"



2 North Elevation
Scale: 1/8" = 1'-0"

4 West Elevation
Scale: 1/8" = 1'-0"

TOWN OF YORKTOWN CODE - ZONE C1

MAXIMUM BUILDING WALL SIGNS: 1 SF/BUILDING LF+
0.25 SF/LF BEYOND THE FRONT SETBACK
ON FACADE WITH MAXIMUM FRONTAGE
BUILDING B: 80.93' LF

TOTAL MAX. ALLOWABLE ON THE FRONT ELEVATION: 80.93 SF

SIGN INFORMATION BUILDING B

DESIGNATION	MAX. SIGN AREA	SIGN FIELD (HxL)
BO1	25.93 SF	5'-0" x 5'-0"
BO2	25 SF	5'-0" x 5'-0"
BO3	28.66 SF	5'-0" x 5'-0"

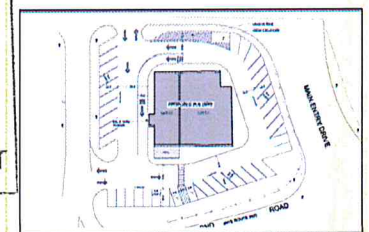
TOTAL PROPOSED SIGNAGE ON THE FRONT ELEVATION: 71.93 SF

TOWN OF YORKTOWN

SEP 24 2020

BUILDING DEPARTMENT

Key Plan
NTS



Christopher Taormina, RA
Chairman

TOWN OF YORKTOWN

ADVISORY BOARD ON ARCHITECTURE & COMMUNITY APPEARANCE (ABACA)

Albert A. Capellini Community and Cultural Center, 1974 Commerce Street, Yorktown Heights, New York 10598, Phone (914) 962-6565

To: Zoning Board of Appeals
From: ABACA
Date: March 4, 2022
Subject: ZBA Referral #12/22 – Slice Pizza (Lowe’s Shopping Center)
26.18-1-18; Crompond Road

RECEIVED
PLANNING DEPARTMENT
MAR 4 - 2022
TOWN OF YORKTOWN

Drawings Reviewed:

Title:	Date:	Produced By:
ZBA Referral #12/22 – Application for Zoning Variance and Sign Application	2/25/2022	Kyra Brunner, ZBA

The Advisory Board on Architecture and Community Appearance reviewed the above referenced subject at their Board meeting held on Tuesday, March 1, 2022. Michael Grace, Esq. was present.

The application is for a variance request to allow for a sign (*south elevation, facing Crompond Road*) that is 37.675SF where 25SF is allowed.

The ABACA has no objections to the variance request and sign application based on the renderings submitted and attached.

Christopher Taormina

Christopher Taormina, RA
Chairman

/nc

Attachments

cc: Applicant

Building Department

Planning Department

Planning Board

TB Referral
930 East Main St

TOWN OF YORKTOWN TOWN BOARD

RESOLVED, the Town Clerk is authorized to refer out to appropriate agencies for their review and/or recommendation a special use permit application to amend the site plan for a gas station located at 930 East Main Street, Shrub Oak, New York 10588. Work involved includes sign replacement and replace of underground fuel storage tanks and piping, fuel dispensers, and associated concrete and electric.

FURTHER RESOLVED, the Town Board declares its intent to act as Lead Agency. We are transmitting the following referral for your review and recommendations and ask that you respond back to the Town Clerk by Monday, March 21, 2022.

TO:

- File
- Town Clerk
- ABACA
- Building Inspector
- Community Housing Board
- Conservation Board
- Fire:
 - Lake Mohegan
 - Yorktown
- Highway Dept.
- Open Space Committee
- Planning Dept. / Board (6)
- Police Dept.
- Public Safety Committee
- Recreation Commission
- School District:
 - Yorktown
 - Lakeland
- Town Attorney
- Town Board
- Town Engineer
- Tree Conservation Advisory Committee
- Water Department
- Wetlands Inspector
- Yorktown Land Trust

- Westchester County**
- Planning Department / Board
 - Dept. of Public Works
 - Dept. of Health
 - Parks & Recreation
 - Environmental Facilities
 - Soil & Water

- New York State**
- DEC Albany
 - DEC New Paltz (Region III)
 - DOT
 - Parks & Recreation

- NYC DEP**
- Army Corp. of Engineers**

- Bordering Municipality**
- Town of Cortlandt
 - Town of Ossining
 - Town of Somers
 - Town of Putnam Valley
 - Yorktown Chamber of Commerce
 - Other
 - Other – Zoning Board of Appeals

FROM: DIANA L. QUAST, YORKTOWN TOWN CLERK, CERTIFIED MUNICIPAL CLERK

SUBJECT: **We are transmitting the following: Documents and application for special use permit application for sign change and replacement of fuels tanks for gas station at 936 East Main Street, Shrub Oak, NY**

DATE: March 9, 2022

- Application/Petition
- Drawings
- EAF
- EAF Addendum
- Report
- Wetlands Permit Application
- SEQRA Scope
- Other – Survey

FOR YOUR: Information Review Comment

Nancy Calicchia

From: Jennifer Caccioppoli <jenniferc@islandpumpandtank.com>
Sent: Friday, March 11, 2022 2:15 PM
To: Nancy Calicchia
Subject: Re: TB Referral - 930 E. Main Street

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Nancy

We are installing a new sign on an existing monument sign base and installing two new signs on the canopy over the fuel dispensers.

Thank you!

Jennifer Caccioppoli

Project Coordinator

Island Pump & Tank Corp.

Office 40 Doyle Ct., East Northport, NY 11731 | **Branch Office** 1381 Utica Ave., Brooklyn, NY 11203

Phones (631) 462-2226 | (718) 526-6525 | Fax (631) 462-6434 | Cell (631) 235-3485

JenniferC@IslandPumpandTank.com



TOWN OF YORKTOWN
APPLICATION FOR SPECIAL USE PERMIT
GASOLINE STATIONS

Dated: March 04, 2022

TO: TOWN BOARD
c/o TOWN CLERK
363 UNDERHILL AVENUE
YORKTOWN, NY 10598

The undersigned, as owner of certain premises located on the North side of
East Main St and known as Section 16.07, Parcel 1,
Lot 6 on the Tax Map of the Town of Yorktown, does hereby make application for a

- Special Use Permit:
- Replacement of underground fuel storage tanks and piping, fuel dispensers and associated concrete and electric.
 - Canopy
 - Convenience Store
 - Truck Rental
 - Car Wash
 - Sign

In the event the Permit is issued, the applicant will comply with all the requirements of the Zoning Ordinance and the Building Department Ordinance of the Town of Yorktown and with the requirements of any other local laws or ordinances, laws, rules, and regulations of any Federal, State, and County Government, bureau or department thereof having jurisdiction over said premises and the business to be conducted there at, in addition to such terms or conditions as may be imposed by the Town Board.

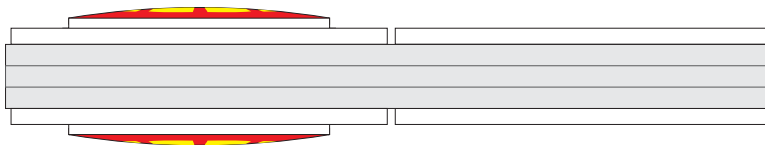
Attached hereto is **one (1) paper copy** of the plot plan of the area, prepared by Gallas Surveying Group and dated 03-25-2020, and building plans prepared by Bronzino Engineering P.C. and dated 11-30-20, all of which are made part of this application, together with the required fee of **\$1,500.00**. **One (1) electronic copy** of plot plan and building plans is to be emailed to the Town Clerk at dquast@yorktownny.org. Additional copies of said plans may be requested at a later date.


Applicant Frank DiAndrea, CEO Island Pump & Tank Corp

Island Pump & Tank Corp
Address
40 Doyle Ct
East Northport NY 11731
631-462-2226
Phone Number

Application received on the _____ day of _____, 20____.
Fee of \$1,500.00 received on the _____ day of _____, 20____.

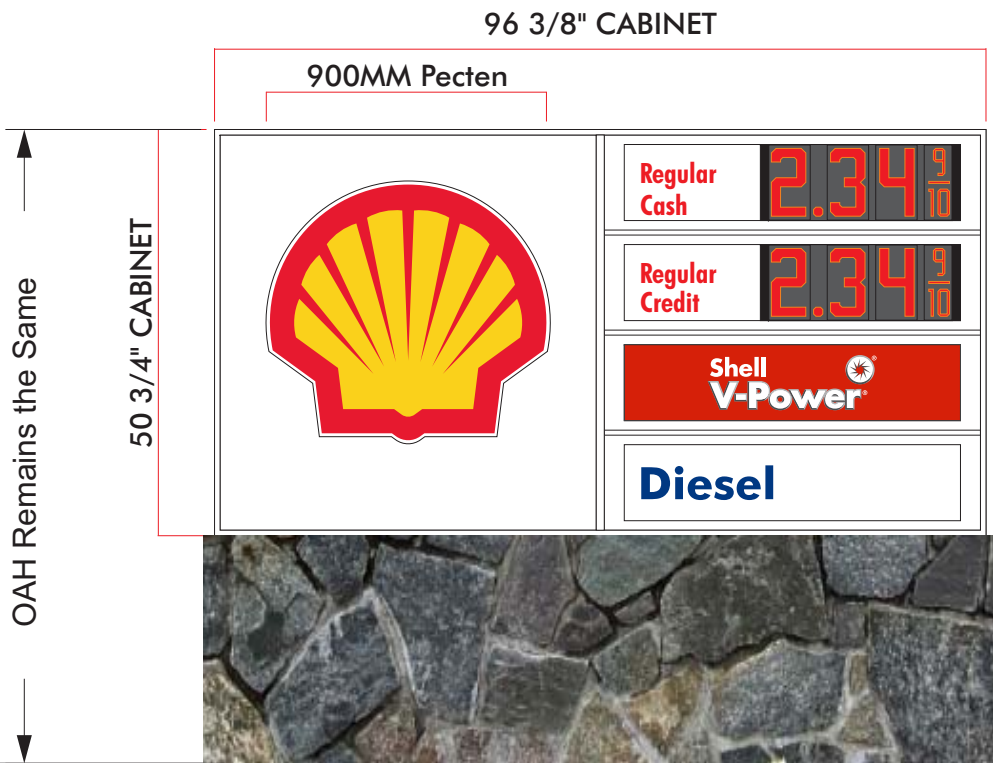
NEW 4x8
RVI Evolution
GM Monument Sign



Top View



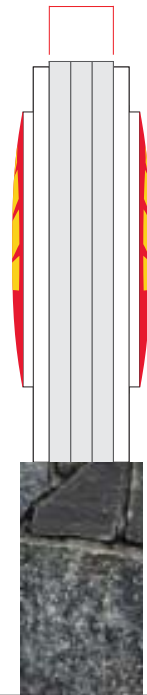
Existing Monument



Base is Existing

Cabinet Elevation
 Scale: 1/2" = 1'

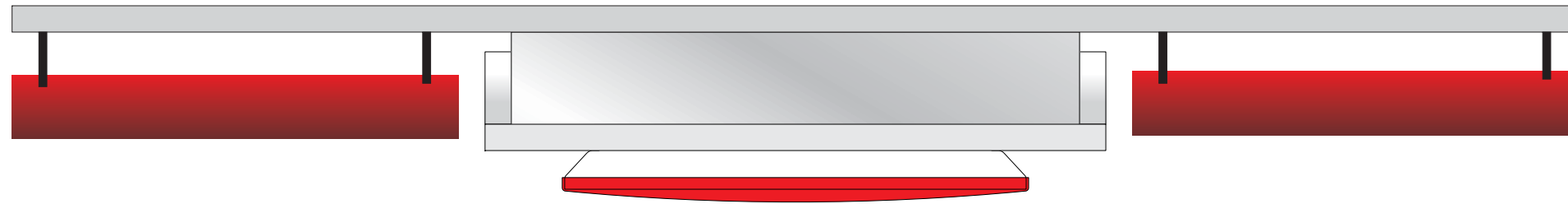
8" Depth



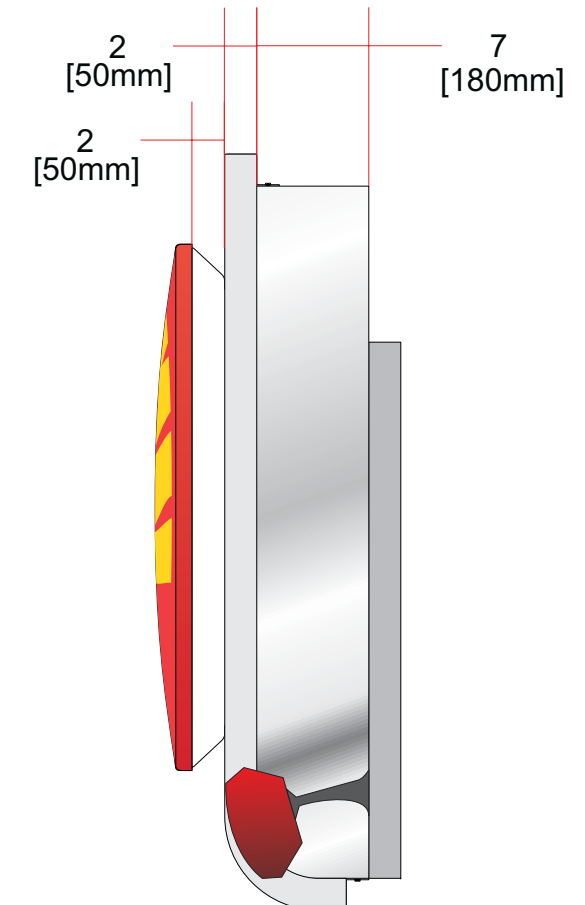
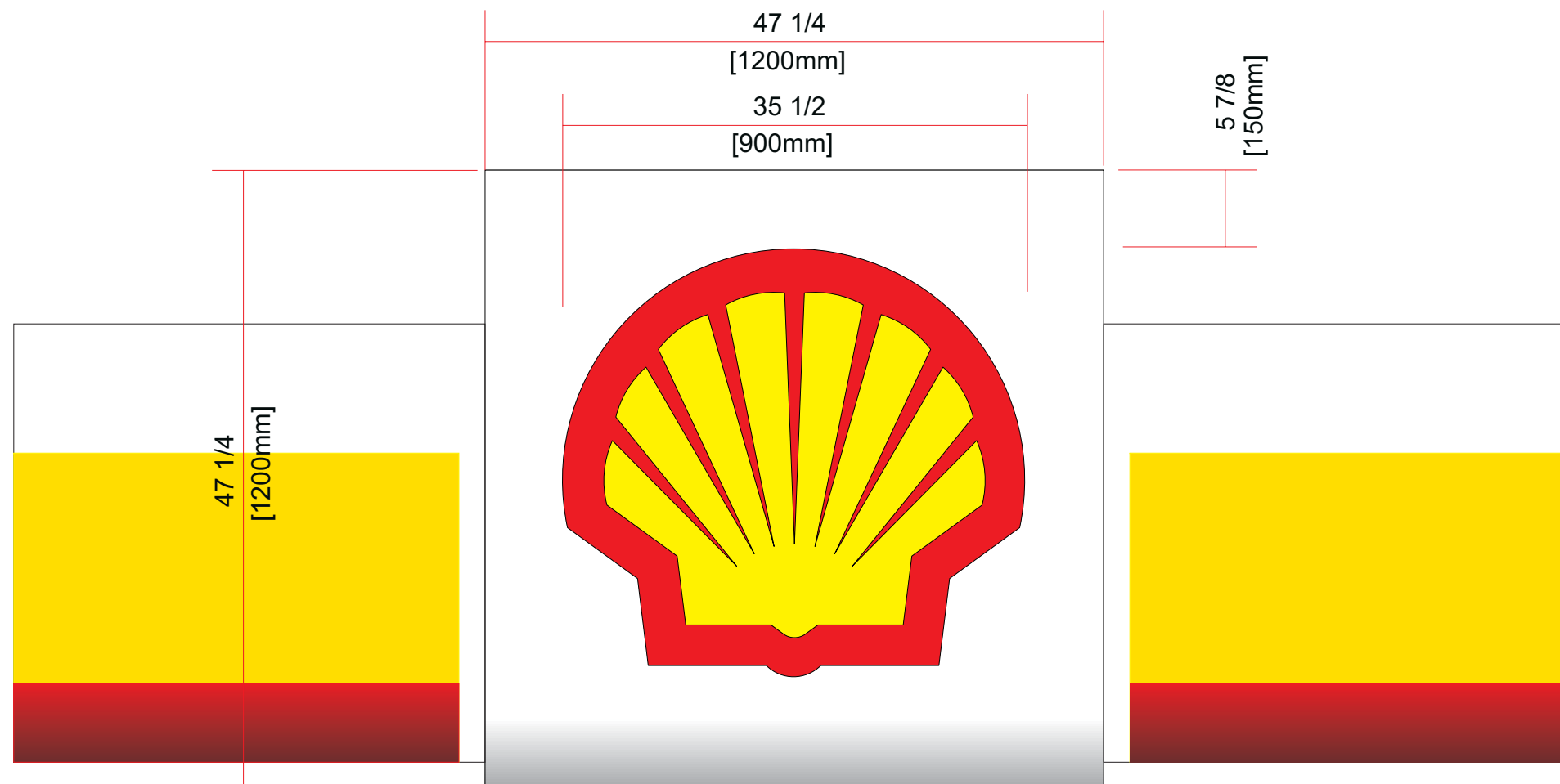
8" LED

8" LED

Side View



Night View

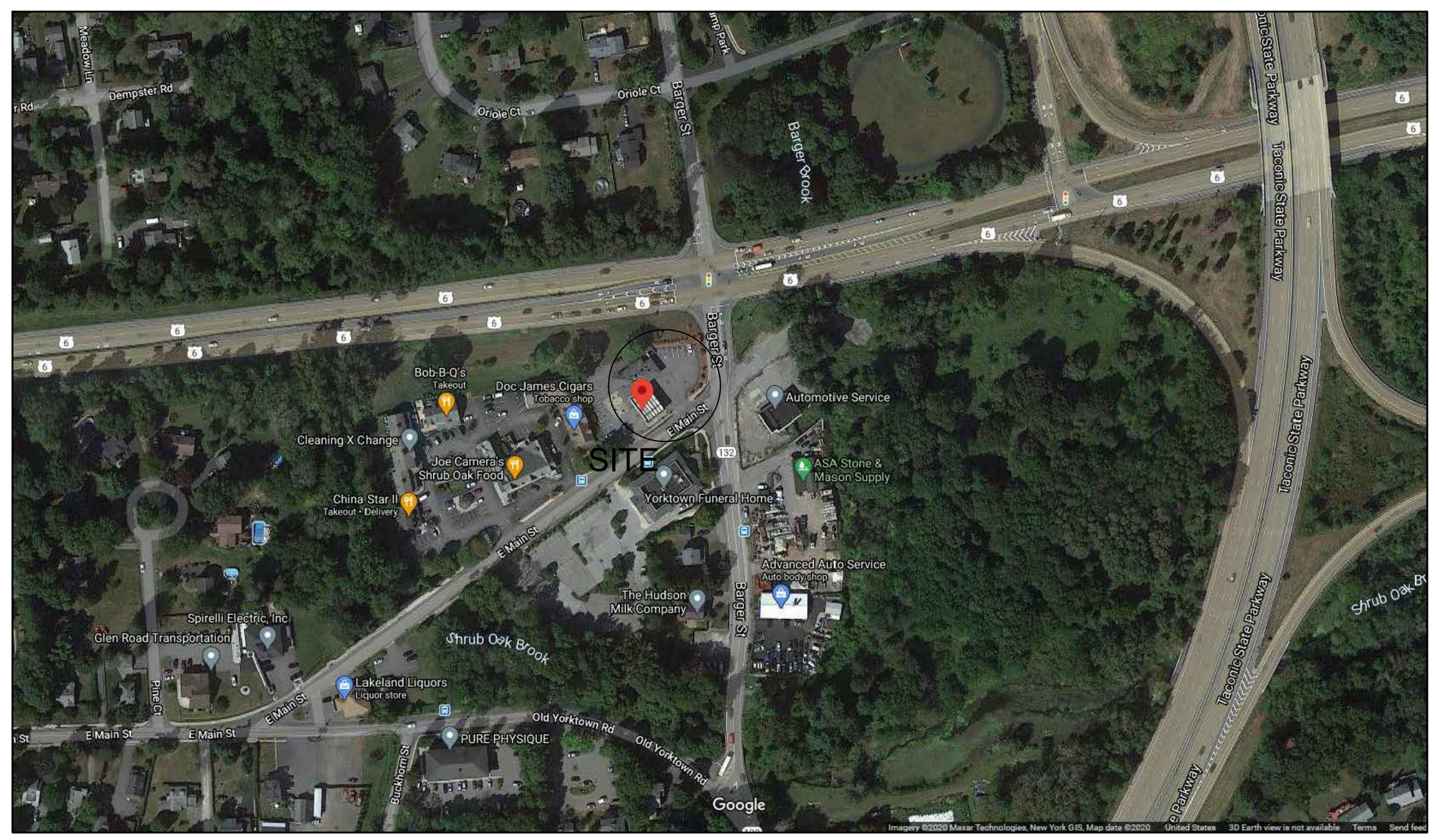


PROPOSED MOTOR FUEL DISPENSING MODIFICATIONS FOR EXISTING SHELL SERVICE STATION

930 EAST MAIN STREET
SHRUB OAK, NEW YORK

LIST OF DRAWINGS

SHEET #	DRAWING #	TITLE
1	M-001.00	COVER SHEET
2	M-002.00	NOTES
3	M-100.00	SITE PLAN
4	M-300.00	TANK DETAILS
5	M-301.00	TANK DETAILS
6	M-302.00	TANK DETAILS
7	M-303.00	DISPENSER DETAILS
8	M-304.00	DETAILS
9	M-305.00	FUEL OIL TANK DETAILS
10	A-300.00	BUILDING AND SIGNAGE ELEVATIONS



LOCATION PLAN
 NOT TO SCALE

BRONZINO ENGINEERING, P.C.
 100-3 SOUTH JERSEY AVE.
 EAST SETAUKET, NY 11733
 631-751-8299

CLIENT
NY DEALER STATIONS
 235 MAMARONECK AVE.
 WHITE PLAINS, NY 10605

ALL DRAWINGS ARE TO BE
READ - NOT SCALED

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBROSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

PROJECT:
**EXISTING SHELL
 SERVICE STATION
 930 EAST MAIN
 STREET
 SHRUB OAK, NY**

SECTION: 6	BLOCK: 6
LOT: 6	MAP: 16.07

DRAWING TITLE:
**PROPOSED MOTOR
 FUEL DISPENSING
 SYSTEM UPGRADES
 COVER SHEET**

PROJECT #:	200104
SCALE:	AS NOTED
DATE:	11/30/20
DRAWING NO:	M-001.00
SHEET NO:	1 OF 10

1.0 GENERAL CONDITIONS

- IN CASE OF CONFLICTS BETWEEN THESE PLANS AND GOVERNING CODES, THE GOVERNING CODE(S) SHALL APPLY.
- REFER TO THE LATEST RELEASE OF A SPECIFICATION UNLESS SPECIFIED OTHERWISE.
- ALL WORK TO CONFORM WITH TOWN OF YORKTOWN, EPA REGULATIONS, NFPA SPECS., N.Y. STATE (D.E.C. & FIRE PROTECTION ASSOCIATION), AMERICAN PETROLEUM INSTITUTE, UNDERWRITERS LABORATORIES, NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, NYCRR, AND ANY OTHER AUTHORITIES HAVING JURISDICTION. OBTAIN WRITING FOR COMPLETED INSTALLATION FROM ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
- THE APPROVAL OF PLANS AND ISSUANCE OF THE PERMIT TO CONSTRUCT A HAZARDOUS MATERIALS STORAGE FACILITY PROPOSES COMPLIANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION. IT IS THE OWNER'S RESPONSIBILITY TO ENSURE THAT ALL OTHER APPLICABLE CODES AND REGULATIONS WILL BE MET PRIOR TO AND DURING INSTALLATION.
- EQUIPMENT CHANGES REQUIRE PRIOR WRITTEN REQUEST FROM DESIGN ENGINEER AND APPROVAL BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND / OR THE TOWN OF YORKTOWN DEPARTMENT OF BUILDINGS.

2.0 SCOPE OF WORK NOTES:

- REMOVE FOUR (4) EXISTING 8,000 GALLON UNDERGROUND STORAGE TANKS AND ALL ASSOCIATED PIPING.
- REMOVE (1) UNDERGROUND FUEL OIL STORAGE TANK
- INSTALL (1) 280 GALLON ABOVEGROUND FUEL OIL STORAGE TANK WITH ASSOCIATED EQUIPMENT
- INSTALL ONE (1) NEW 12,000 GALLON DOUBLE WALL SINGLE COMPARTMENT UNDERGROUND FIBERGLASS STORAGE TANK, ONE (1) NEW 12,000 GALLON DOUBLE WALL TWO COMPARTMENT UNDERGROUND FIBERGLASS STORAGE TANK, AND ALL ASSOCIATED EQUIPMENT.
- INSTALL NEW SINGLE WALL FRP VENT LINES UTILIZING EXISTING STEEL VENT RISERS.
- INSTALL NEW 1-3/4" Ø APT FLEXIBLE D.W. PIPING IN 4" SECONDARY CONTAINMENT PIPING.
- INSTALL NEW (1) CONCRETE TANK MAT AND (1) DRIVE MAT AND ASPHALT PAVEMENT.
- INSTALL NEW TANK MONITORING EQUIPMENT AND CONNECT TO EXISTING TANK MONITORING SYSTEM.
- INSTALL (2) NEW DISPENSER SUMPS
- INSTALL (2) NEW FUEL DISPENSERS
- OWNER TO SUPPLY TANKS, TANK MONITORING SYSTEM, AND TANK MONITORING PROBES. ALL OTHER EQUIPMENT INCLUDING ALL REQUIRED SHORING TO BE SUPPLIED BY CONTRACTOR.

3.0 PROCEDURE FOR TANK REMOVAL:

- PRIOR TO REMOVAL, THE TANK MUST PUMPED AS EMPTY AS POSSIBLE USING PORTABLE PUMP TO SCAVENGE THE BOTTOM OF ALL LIQUIDS THAT CAN BE REMOVED. IN ADDITION, THE TANK MUST BE CLEANED AND FREE OF ALL RESIDUAL TOXIC/HAZARDOUS MATERIALS.
 - ALL WASTE MUST BE REMOVED FROM THE TANK AND BE COLLECTED IN PROPERLY LABELED DRUMS FOR REMOVAL AS TOXIC WASTE. PROPER PROTECTIVE WEAR APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN SINCE THE SLUDGE IS LIKELY TO CONTAIN LEAD AND OTHER TOXIC MATERIALS.
 - THE SLUDGE AND WASTE MAY NOT BE REMOVED FROM THE SITE UNTIL A WESTCHESTER COUNTY DEPARTMENT OF HEALTH INSPECTOR HAS NOTED THE VOLUME OF SLUDGE AND INSPECTED THE TANK.
- REMOVE EXISTING TANKS AS FOLLOWS:
 - REMOVE ALL CONTENTS
 - STORAGE SYSTEM INCLUDING ALL TANKS AND PIPING, SHALL BE PURGED OF INFLAMMABLE VAPORS.
 - FILL LINES, SUCTION LINES, VENT LINES SHALL BE CAPPED & FILLED WITH CONCRETE
 - EXISTING TANKS SHALL BE EXCAVATED, REMOVED & DISPOSED OF OFF THE SITE IN A LEGAL/SAFE MANNER. THIS PROCESS SHALL BE IN ACCORDANCE WITH THE TOWN, WCDH, NYS FIRE PREVENTION, NYS DEC & OTHER AUTHORITIES HAVING JURISDICTION.
- IT IS REQUIRED THAT A REPRESENTATIVE FROM THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH BE PRESENT FOR THE REMOVAL OF ALL UNDERGROUND STORAGE TANKS

4.0 TANK NOTES:

- TANK SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH U.L. 1316.
 - ALL NEW TANKS MUST BEAR A PERMANENT STENCIL, LABEL OR PLATE REQUIRED BY SECTION 614.3 OF PART 614 OF NYCRR OR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
 - THE TANK MANUFACTURERS STATEMENT THAT, "THIS TANK CONFORMS WITH NYCRR PART 614."
 - THE STANDARD OF DESIGN BY WHICH THE TANK WAS MANUFACTURED.
 - THE YEAR IN WHICH THE TANK WAS MANUFACTURED.
 - A UNIQUE IDENTIFICATION NUMBER.
 - THE DIMENSIONS, DESIGN, WORKING CAPACITY AND MODEL NUMBER.
 - THE NAME OF THE TANK MANUFACTURER.
- THE TANK FILL PORT(S) SHALL BE PAINTED WITH THE COLOR AND SYMBOL CODE OF AMERICAN PETROLEUM INSTITUTE (PRACTICE 1637), STORAGE IN ACCORDANCE WITH NFPA STANDARDS AND ALL APPLICABLE STATE, COUNTY AND LOCAL AUTHORITIES. IN ADDITION, A SIGN BEARING THE NAME OF THE PRODUCT IN STORAGE SHALL BE POSTED IN THE VICINITY OF THE FILL CONNECTION.
- THE INSTALLATION AND PLACEMENT OF THE TANK(S) SHALL CONFORM WITH NFPA #30 AND 30A.
- ALL TANKS MUST BE A MINIMUM OF 20 FEET AWAY FROM ALL DRYWELLS, STORM DRAINS, AND LEACHING POOLS.
- THE PROPOSED TANK(S) MUST BE A MINIMUM OF 100 FEET FROM ALL WATER SUPPLY WELLS.
- ALL TANKS MUST BE A MINIMUM OF 7 FEET AWAY FROM ALL SEWER LINES AND WATER LINES.
- USE THE TANK MFRS. INSTALLATION SPECIFICATIONS FOR THE ANCHORING OF TANKS.
- AIR TEST UNDERGROUND TANK PRIOR TO INSTALLATION PER MANUFACTURER'S SPECIFICATIONS AND WESTCHESTER COUNTY DEPARTMENT OF HEALTH SPECIFICATIONS.

5.0 TANK & ASSOCIATED MATERIALS:

- STORAGE TANKS: ONE (1) 12,000 GALLON DOUBLE WALL SINGLE COMPARTMENT UNDERGROUND FIBERGLASS STORAGE TANK AND ONE (1) 12,000 GALLON DOUBLE WALL TWO COMPARTMENT UNDERGROUND FIBERGLASS STORAGE TANK.
- MONITORING SYSTEMS: SEE PARTS LEGEND
- FILL-SPILL CONTAINMENT: SEE PARTS LEGEND
- PIPING: SEE PARTS LEGEND
- DISPENSERS: SEE PARTS LEGEND

6.0 MISCELLANEOUS MATERIAL NOTES:

- CONCRETE SHALL BE 8" THICK CONCRETE MAT OVER UNDERGROUND GASOLINE STORAGE TANKS AND 6" THICK CONCRETE MAT AROUND THE DISPENSERS ISLANDS. CONCRETE SHALL BE 4000 PSI 0 28 DAYS, AND REINFORCED WITH 6x6, #10/10 W.W.M.
- ALL UNDERGROUND METAL PIPES AND FITTINGS SHALL BE WRAPPED WITH DIELECTRIC TAPE; "SCOTCH" WRAP NO. 50 OR APPROVED EQUIVALENT.

7.0 PIPING NOTES:

- THE INSTALLATION AND PLACEMENT OF THE PIPING SHALL CONFORM WITH NFPA 30 & 30A
- THE PROPOSED PIPING MUST BE A MINIMUM OF 100 FEET FROM ALL WATER SUPPLY WELLS.
- PRODUCT PIPES CROSSING WATER LINES OR SEWER LINES SHALL BE INSTALLED TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18 INCHES (WATER/SEWER LINES OVER PRODUCT LINES) BETWEEN THE PIPES AND A MIN. HORIZONTAL CLEARANCE OF 10".
- ALL UNDERGROUND PIPING SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH RECOGNIZED ENGINEERING PRACTICES. ALL JOINTS MUST BE LIQUID AND AIR TIGHT. ALL PIPING SYSTEMS MUST BE TESTED FOR TIGHTNESS BEFORE BEING COVERED, ENCLOSED OR PLACED IN USE. ALL THREADED JOINTS SHALL BE SEALED TEFLON BASED SEALING COMPOUND. ALL FRP PIPING TO BE INSTALLED IN EXACT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- ALL PIPING TO BE SLOPED @ 1/8" PER FOOT MINIMUM BACK TO MANWAY.
- THE PIPING SYSTEM SHALL BE CHECKED FOR LEAKS BY PRESSURIZING THE PIPING UNDER PRESSURE AND SOAPING ALL JOINTS. THE PIPING MUST BE DISCONNECTED FROM THE TANK PRIOR TO PERFORMING THIS TEST. PRIMARY PRODUCT PIPING TO BE PRESSURIZED TO 50 PSI AND SECONDARY CONTAINMENT PIPING TO BE PRESSURIZED TO 50 PSI, BOTH TESTS ARE TO BE PERFORMED FOR A DURATION OF 30 MINUTES.
- NEW PRODUCT PIPING SHALL BE D.W. FRP (FIBERGLASS) PRODUCT LINES 2" DIA. PRIMARY, 3" DIA. SECONDARY
- VAPOR RECOVERY, STAGE II PIPING SHALL BE 3" DIA. S.W. F / G LINES FROM GASOLINE TANKS WITH 2" DIA. BRANCHES TO DISPENSER SUMPS.
- UNDERGROUND PIPING MUST BE INSTALLED USING PROPERLY SIZED PEA GRAVEL AS BEDDING AND BACKFILL.
- ALL RIGID PRIMARY PIPING SHALL HAVE A FLEXIBLE CONNECTOR BETWEEN FRP PIPE & IMPACT (SAFETY) VALVES AT DISPENSER SUMPS/PANS.
- ALL FLEX CONNECTORS INSTALLED WITHIN A SUMP SHALL BE U.L. FIRE RATED.

8.0 ELECTRICAL INSTALLATIONS:

- ALL ELECTRICAL INSTALLATIONS AND EQUIPMENT SHOULD BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH NFPA 70, NATIONAL ELECTRICAL CODE, ARTICLE 514, CLASS 1, GROUP D., DIVISION 1 & 2.

9.0 CONTRACTOR(S) NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, PROPOSED AND EXISTING, PRIOR TO START OF ANY CONSTRUCTION.
- CONTRACTOR SHALL CONTACT THE ENGINEER INSPECTOR AT LEAST 24 HOURS PRIOR TO START OF ANY WORK. WORK PERFORMED WITHOUT INSPECTION SHALL BE CERTIFIED TO THE ENGINEER'S SATISFACTION AT APPLICANT'S EXPENSE.
- CONTRACTOR SHALL COORDINATE AND COMPLETE ALL UTILITY RELOCATIONS.
- CONTRACTOR SHALL EXAMINE THE SITE LOCATION AND VERIFY ALL EXISTING UNDERGROUND TANKS AND CONNECTING PIPING PRIOR TO TIME OF PROPOSED WORK.
- THE CONTRACTOR SHALL BE SOLELY AND DIRECTLY RESPONSIBLE TO THE OWNER AND OPERATORS OF SUCH PROPERTIES FOR ANY DAMAGE, INJURY, EXPENSE, LOSS, INCONVENIENCE, DELAY, SUITS, ACTIONS, OR CLAIMS OF ANY CHARACTER STEMMING FROM THE CONSTRUCTION OPERATIONS UNDER THIS CONTRACT.
- NEITHER THE OWNER, OFFICERS OR AGENTS OF THE BUSINESS SHALL BE RESPONSIBLE TO THE CONTRACTOR FOR DAMAGES AS A RESULT OF THE CONTRACTOR'S FAILURE TO PROTECT UTILITIES ENCOUNTERED IN THE COURSE OF PERFORMING WORK WHERE THE CONTRACTOR'S OPERATIONS COULD CAUSE DAMAGE OR INCONVENIENCE TO WATER, FIRE PROTECTION SYSTEMS, TELEPHONE, ELECTRIC SERVICES, SANITARY AND STORM WATER SYSTEMS. THE OPERATIONS SHALL BE SUSPENDED UNTIL ALL ARRANGEMENTS NECESSARY FOR THE PROTECTION OF THESE UTILITIES AND SERVICES HAVE BEEN MADE BY THE CONTRACTOR.
- THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR SITE SUPERVISION.
- THE TOWN OF YORKTOWN SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ALL CONSTRUCTION.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. IT IS POSSIBLE THAT THERE MAY, FOR THESE ITEMS, BE DISCREPANCIES AND/OR OMISSIONS IN THE LOCATIONS AND QUANTITIES OF UTILITIES AND STRUCTURES SHOWN. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING THE EXCAVATION IN A SAFE MANNER. THE CONTRACTOR SHALL PROVIDE APPROPRIATE MEASURES TO RETAIN EXCAVATION SIDES DURING THE EXCAVATION. TO PREVENT ANY MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS, UTILITIES, FOUNDATIONS, FOOTINGS, UTILITY PIPE BEDDING OR STRUCTURES, DAMAGE OR DELAY THE WORK, OR ENDANGER LIFE AND HEALTH, INSTALL AND MAINTAIN SHORING, SHEETING, BRACING, AND SLOPING AS REQUIRED BY OSHA AND OTHER APPLICABLE GOVERNING REGULATIONS AND AGENCIES.
- THE CONTRACTOR SHALL EXCAVATE WITH EXTREME CARE BY HAND IN THE AREA OF PROBABLE UTILITY LOCATIONS. ALL UTILITIES ENCOUNTERED SHALL BE DEEMED ACTIVE AND SHALL BE SUITABLY PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL IMMEDIATELY REPAIR EXISTING UTILITIES WHICH ARE TO REMAIN AND THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS. SUCH REPAIRS SHALL BE MADE BY QUALIFIED PERSONNEL WITH NEW MATERIALS USING METHODS WHICH ARE SUITABLE FOR THE ORIGINAL UTILITY CHARACTERISTICS, AND WHICH COMPLY WITH ALL CODES, ORDINANCES OF THE LOCAL AUTHORITY.
- THE CONTRACTOR SHALL EXCAVATE TO THE DEPTHS AND WIDTHS, AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONCRETE REMOVALS. ALLOW FOR FORMS, WORKING SPACE, AND FILL DO NOT CARRY EXCAVATION FOR SLABS DEEPER THAN THE ELEVATION SHOWN. EXCAVATION CARRIED BELOW THE GRADE LINES SHOWN SHALL BE REPLACED WITH THE SAME FILL MATERIAL AS SPECIFIED FOR THE OVERLYING FILL OR BACKFILL, COMPACTED AS REQUIRED FOR SOIL OVERLYING FILL OR BACKFILL. THE CONTRACTOR SHALL CORRECT ALL OVER EXCAVATED AREAS AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL, OUTSIDE OF THE AREA OF WORK, IN AN AREA WHICH IS SUITABLE IN ALL RESPECTS TO RECEIVE SUCH MATERIAL. EXISTING SLABS/PAVEMENT TO BE REMOVED BY SAW CUTTING. EXCAVATED MATERIAL SHALL BE LEGALLY DISPOSED OF OFF SITE. CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE DISPOSAL OF THE EXCAVATED MATERIAL AND BEAR ALL COSTS OR RETAIN ANY PROFIT INCIDENTAL TO SUCH DISPOSAL. THE EXCAVATION SHALL CONFORM TO OSHA AND OTHER LOCAL CODES THAT MAY APPLY.
- THE CONTRACTOR SHALL VERIFY EXISTING SUBGRADE SOIL BEARING CAPACITY TO MEET THE MINIMUM REQUIRED TO SUSTAIN THE DESIGN LOADS AND SHALL NOTIFY THE ENGINEER OF RESULTS.
- THE CONTRACTOR SHALL OBTAIN ANY DEWATERING PERMITS FROM THE N.Y.S.D.E.C.

10.0 EXCAVATION REQUIREMENTS / PROTECTION OF EXCAVATIONS:

- SHORING AND FACING AND SHEETING: WITH THE EXCEPTION OF ROCK CUTS, THE SIDES OF ALL EXCAVATIONS INCLUDING RELATED OF RESULTING EMBANKMENTS, 5 FT. OR GREATER IN DEPTH OR HEIGHT MEASURED FROM THE LEVEL OF THE ADJACENT GROUND SURFACE TO THE DEEPEST PART OF THE EXCAVATION, SHALL BE PROTECTED AND MAINTAINED BY SHORING, BRACING AND SHEETING, SHEET PILING, OR BY OTHER RETAINING STRUCTURES. ALTERNATIVELY, EXCAVATED SLOPES MAY BE INCLINED NOT STEEPER THAN 45 DEGREES OR STEPPED SO THAT THE AVERAGE SLOPE IS NOT STEEPER THAN 45 DEGREES WITH NO STEP MORE THAN 5 FT. HIGH, PROVIDED SUCH SLOPE DOES NOT ENDANGER ANY STRUCTURE, INCLUDING SUBSURFACE STRUCTURES. ALL SIDES OR SLOPES OR EXCAVATIONS OR EMBANKMENTS SHALL BE INSPECTED AFTER RAINSTORMS OR ANY OTHER HAZARD-INCREASING EVENT, AND SAFE CONDITIONS SHALL BE RESTORED.
- GUARD RAILS: ALL SIDES OF THE EXCAVATION MUST HAVE A STANDARD LIGHTED GUARD RAIL AND A SOLID ENCLOSURE AT LEAST 3'-8" HIGH EXCEPT WHERE ACCESS TO THE ADJOINING AREA IS PRECLUDED. FLASHING WARNING LIGHTS AROUND THE PERIMETER OF THE EXCAVATION SHALL BE PROVIDED BY CONTRACTOR AND KEPT LIT FROM DUSK TO DAYLIGHT THE FOLLOWING DAY AND AT OTHER TIMES WHENEVER IT IS OVERCAST OR DARK.
- PLACING OF CONSTRUCTION MATERIAL: EXCAVATED MATERIAL AND SUPERIMPOSED LOADS SUCH AS EQUIPMENT TRUCKS, ETC., SHALL NOT BE PLACED CLOSER TO THE EDGE OF THE EXCAVATION THAN A DISTANCE EQUAL TO 1 1/2 TIMES THE DEPTH OF SUCH EXCAVATION, UNLESS THE EXCAVATION IS IN ROCK OR UNLESS THE SIDES OF THE EXCAVATION HAVE BEEN SLOPED OR SHEET PILED (OR SHEETED) AND SHORED TO WITHSTAND THE LATERAL FORCE IMPOSED BY SUCH SUPERIMPOSED LOADS. WHEN SHEET PILING IS USED, IT SHALL EXTEND AT LEAST 6 IN. ABOVE THE NATURAL LEVEL OF THE GROUND. IN THE CASE OF OPEN EXCAVATIONS WITH SIDE SLOPES, THE EDGE OF EXCAVATION SHALL BE TAKEN AS THE TOE OF THE SLOPE.
- MECHANICAL DIGGERS: WHERE TRENCHING MORE THAN 5 FT. IN DEPTH IS DONE BY A MECHANICAL DIGGER, THE REQUIRED PROTECTION SHALL FOLLOW THE BOOM AS CLOSELY AS PRACTICAL. SUPERVISION: ALL PHASES OF THIS WORK SHALL BE UNDER THE DIRECT SUPERVISION OF A PERSON LICENSED BY THE DEPARTMENT TO INSTALL, ALTER, TEST OR REPAIR UNDERGROUND

11.0 CONCRETE NOTES

- ALL CONCRETE USED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" (TO WITHIN A TOLERANCE OF 1").
- ALL EXPOSED CONCRETE SHALL BE AIR ENTRAINED @ 6% (+/-1%)
- ALL FORMWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE A.C.I. AND UNIFORM BUILDING CODE.
- FURNISH AND PLACE ALL SUPPORTS, TEMPORARY OR PERMANENT, WHETHER SHORING, SHEETING OR BRACING SO THAT NO HORIZONTAL MOVEMENT OR VERTICAL SETTLEMENT OCCURS TO EXISTING STRUCTURES, STREETS OR UTILITIES ADJACENT TO JOB SITE.
- CONCRETE SHALL BE PROTECTED AGAINST FROST UNTIL PROJECT IS COMPLETED.

DISPENSING OPERATIONS NOTES:

EMERGENCY DISCONNECT SWITCHES:
AN APPROVED CLEARLY IDENTIFIED AND READILY ACCESSIBLE EMERGENCY DISCONNECT SWITCH SHALL BE PROVIDED AT AN APPROVED LOCATION, TO STOP THE TRANSFER OF FUEL TO THE FUEL DISPENSERS IN THE EVENT OF A FUEL SPILL OR OTHER EMERGENCY. AN EMERGENCY DISCONNECT SWITCH FOR EXTERIOR FUEL DISPENSER SHALL BE LOCATED WITHIN 100 FEET OF BUT NOT LESS THAN 20 FEET FROM, THE FUEL DISPENSERS. FOR INTERIOR FUEL DISPENSING OPERATIONS, THE EMERGENCY DISCONNECT SWITCH SHALL BE INSTALLED AT AN APPROVED LOCATION. SUCH DEVICES SHALL BE DISTINCTLY LABELED AS: EMERGENCY FUEL SHUTOFF. SIGNS SHALL BE PROVIDED IN APPROVED LOCATIONS.

OPERATING INSTRUCTIONS:
DISPENSER OPERATING INSTRUCTIONS SHALL BE CONSPICUOUSLY POSTED IN APPROVED LOCATIONS ON EVERY DISPENSER AND SHALL INDICATE THE LOCATION OF THE EMERGENCY CONTROLS REQUIRED BY CODE.

EMERGENCY PROCEDURES:
AN APPROVED EMERGENCY PROCEDURES SIGN, IN ADDITION TO THE SIGNS REQUIRED BY CODE, SHALL BE POSTED IN A CONSPICUOUS LOCATION AND SHALL READ:

IN CASE OF FIRE, SPILL OR RELEASE

- USE EMERGENCY PUMP SHUT OFF

- REPORT THE ACCIDENT!

WARNING SIGNS:
WARNING SIGNS SHALL BE CONSPICUOUSLY POSTED WITHIN SIGHT OF EACH DISPENSER IN THE FUEL DISPENSING AREA AND SHALL STATE THE FOLLOWING:

- NO SMOKING.
- SHUT OFF MOTOR.
- DISCHARGE YOUR STATIC ELECTRICITY BEFORE FUELING BY TOUCHING A METAL SURFACE AWAY FROM THE NOZZLE.
- TO PREVENT STATIC CHARGE, DO NOT REENTER YOUR VEHICLE WHILE GASOLINE IS PUMPING.
- IF A FIRE STARTS, DO NOT REMOVE THE NOZZLE-BACK AWAY IMMEDIATELY.
- IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GAS INTO UNAUTHORIZED CONTAINERS.
- NO FILLING OF PORTABLE CONTAINERS IN OR ON A MOTOR VEHICLE. PLACE CONTAINER ON GROUND BEFORE FILLING.

FIRE EXTINGUISHER NOTE:
A 2-A:40BC FIRE EXTINGUISHER MUST BE MOUNTED WITHIN 75 FEET OF PUMPS, DISPENSERS AND STORAGE TANK FILL PIPE/PORT OPENINGS.

MOTOR FUEL EQUIPMENT SCHEDULE

TANKS			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
①	SINGLE COMPARTMENT TANK	CONTAINMENT SOLUTIONS	8'Ø D.W. FRP (12k) NEW
②	DUAL COMPARTMENT TANK	CONTAINMENT SOLUTIONS	8'Ø D.W. FRP (7k/5k) NEW

DISPENSERS			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
③	DISPENSER	GILBARCO	ENCORE 700S EXISTING
④	DISPENSER SUMP	FRANKLIN / APT	UPP / DS3617 ENCORE NEW
⑤	DISP. SUMP STABILIZER BAR	FRANKLIN / APT	UPP / SBK-3 NEW

PIPING, VALVES & CAPS			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
⑥	FLEXIBLE ENTRY BOOTS (FRP)	OPW	2" DOUBLE ENTRY BOOT NEW
⑦	FLEXIBLE ENTRY BOOTS (STL)	OPW	2" DOUBLE ENTRY BOOT NEW
⑧	RIGID ENTRY BOOT	APT	REB-C-0075 NEW
⑨	DUCTED ENTRY BOOT (1.75")	APT	DEB-175-SC NEW
⑩	STANDARD TEST BOOT	APT	STB-175 NEW
⑪	FLEX CONNECTORS (SS)	HOSEMASTER	FSS2WE150150, FSMS180200 NEW
⑫	PRODUCT PIPING / FTGS.	APT	(1 3/4") APTXP-175-SC NEW
⑬	PRODUCT PIPE DUCT	APT	(4") APTDCT-400 NEW
⑭	VENT/VAPOR PIPING/FTGS.	AMERON	DUALOY 3000/L NEW
⑮	FILL CAP	OPW	634TT-7085-EVR NEW
⑯	FILL CAP ADAPTOR	OPW	633T-8075 NEW
⑰	FILL LIMITER (OPV)	OPW	6150-4000 NEW
⑱	VENT CAP (GAS)	EBW	802-304-5 (2") NEW
⑲	VENT CAP (DIESEL)	EBW	800-207-02 (2") NEW
⑳	EXTRACTOR VALVE (3")	EBW	311-400-11 NEW
㉑	EXTRACTOR VALVE (2")	EBW	310-400-11 NEW
㉒	EMERGENCY SHEAR VALVE	EBW	662501902 NEW
㉓	PIPE CAP (4")	UNIVERSAL	412-40 NEW

MANHOLES			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㉔	V.R. SPILL BUCKET	EBW	5 GALLON 705-413-02 NEW
㉕	FILL SPILL BUCKET	EBW	5 GALLON 705-413-02 NEW
㉖	18" MANHOLES (FILL / V.R.)	EBW	705-479-02 CI-GKT NEW
㉗	12" MANHOLES (INT. SPACE)	EBW	781-418-12-BLK NEW
㉘	TANK SUMP MANHOLE	FRANKLIN FUELING SYSTEMS	14U-RT4210CL RHINO 42" NEW
㉙	MULTIPORT MANHOLE	N/A	N/A N/A

TANK SUMP			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㉚	SUMP	FE PETRO	4020109-24 NEW
㉛	VAPOR SWIVEL	EBW	705-412-02 NEW
㉜	FILL SWIVEL	EBW	708-591-901 NEW
㉝	SUBMERSIBLE PUMP	RED JACKET	1 1/2 HP STP NEW

CONCRETE			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㉞	TANK TOP SLAB	N/A	10" W/ (2) 6X6 0/0 WWM NEW
㉟	DISPENSER SLAB	N/A	6" W/ (1) 6X6 10/10 WWM NEW
㊱	DISPENSER ISLAND	N/A	6' x 4' x 6" H W/ SS CURBS NEW

MONITORING EQUIPMENT			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㊲	CONTROLLER	VEEDER ROOT	TLS-350 EXISTING
㊳	AUDIO / VISUAL ALARM	VEEDER ROOT	790091-001 EXISTING
㊴	TANK GAUGE PROBE	VEEDER ROOT	846391-307 NEW
㊵	INTERSTITIAL SPACE PROBE	VEEDER ROOT	794390-409 (DESCRIM.) NEW
㊶	TANK SUMP MONITOR PROBE	VEEDER ROOT	846391-352 NEW
㊷	DISP. SUMP MONITOR PROBE	VEEDER ROOT	794380-322 NEW
㊸	EMERGENCY SHUT OFF	FIELD VERIFY	FIELD VERIFY EXISTING

FIRE SUPPRESSION EQUIPMENT			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㊹	CANOPY-MOUNTED SYSTEM	PYRO-CHEM	ATTENDANT II EXISTING
㊺	ACTUATOR AND SOLENOID	PYRO-CHEM	ATTENDANT II EXISTING
㊻	MANUAL PULL	PYRO-CHEM	ATTENDANT II EXISTING

MISCELLANEOUS			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㊼	BOLLARD	N/A	CONC. FILLED STAINLESS STEEL NEW
㊽	FIRE EXTINGUISHER	N/A	2-A:40BC FIRE EXTINGUISHER NEW

FUEL OIL EQUIPMENT SCHEDULE

TANKS			
ID	EQUIPMENT ITEM	MANUFACTURER	PART / MODEL # STATUS
㊾	ABOVE GROUND TANK	CONTAINMENT SOLUTIONS	280 GALLON LUBE CUBE NEW
㊿	CONTROLLER	OMNTEC	L1PD2 NEW
①	AUDIO / VISUAL ALARM	OMNTEC	RAS-NYS NEW

BRONZINO ENGINEERING, P.C.
100-3 SOUTH JERSEY AVE.
EAST SETAUKET, NY 11733
631-751-8299

CLIENT
NY DEALER STATIONS
235 MAMARONECK AVE.
WHITE PLAINS, NY 10605

ALL DRAWINGS ARE TO BE
READ - NOT SCALED

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

ROBERT W. BRONZINO
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW YORK
LICENSE NO. 077015

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

PROJECT:
**EXISTING SHELL
SERVICE STATION
930 EAST MAIN
STREET
SHRUB OAK, NY**

SECTION: BLOCK: 6
LOT: 6 MAP: 16.07

DRAWING TITLE:
**PROPOSED MOTOR
FUEL DISPENSING
SYSTEM UPGRADES
NOTES & LEGEND**

PROJECT #: 200104
SCALE: AS NOTED
DATE: 11/30/20

DRAWING NO:
M-002.00
SHEET NO:
2 OF 10

BRONZINO ENGINEERING, P.C.
 100-3 SOUTH JERSEY AVE.
 EAST SETAUKET, NY 11733
 631-751-8299

CLIENT
NY DEALER STATIONS
 235 MAMARONECK AVE.
 WHITE PLAINS, NY 10605

ALL DRAWINGS ARE TO BE
 READ - NOT SCALED

NO.	REVISION NUMBER OF TANKS TO BE REMOVED	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

ROBERT W. BRONZINO
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 LICENSE NO. 107715

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF THE NYS EDUCATION LAW. NO COPY OF THIS PLAN BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

PROJECT:
EXISTING SHELL SERVICE STATION
 930 EAST MAIN STREET
 SHRUB OAK, NY

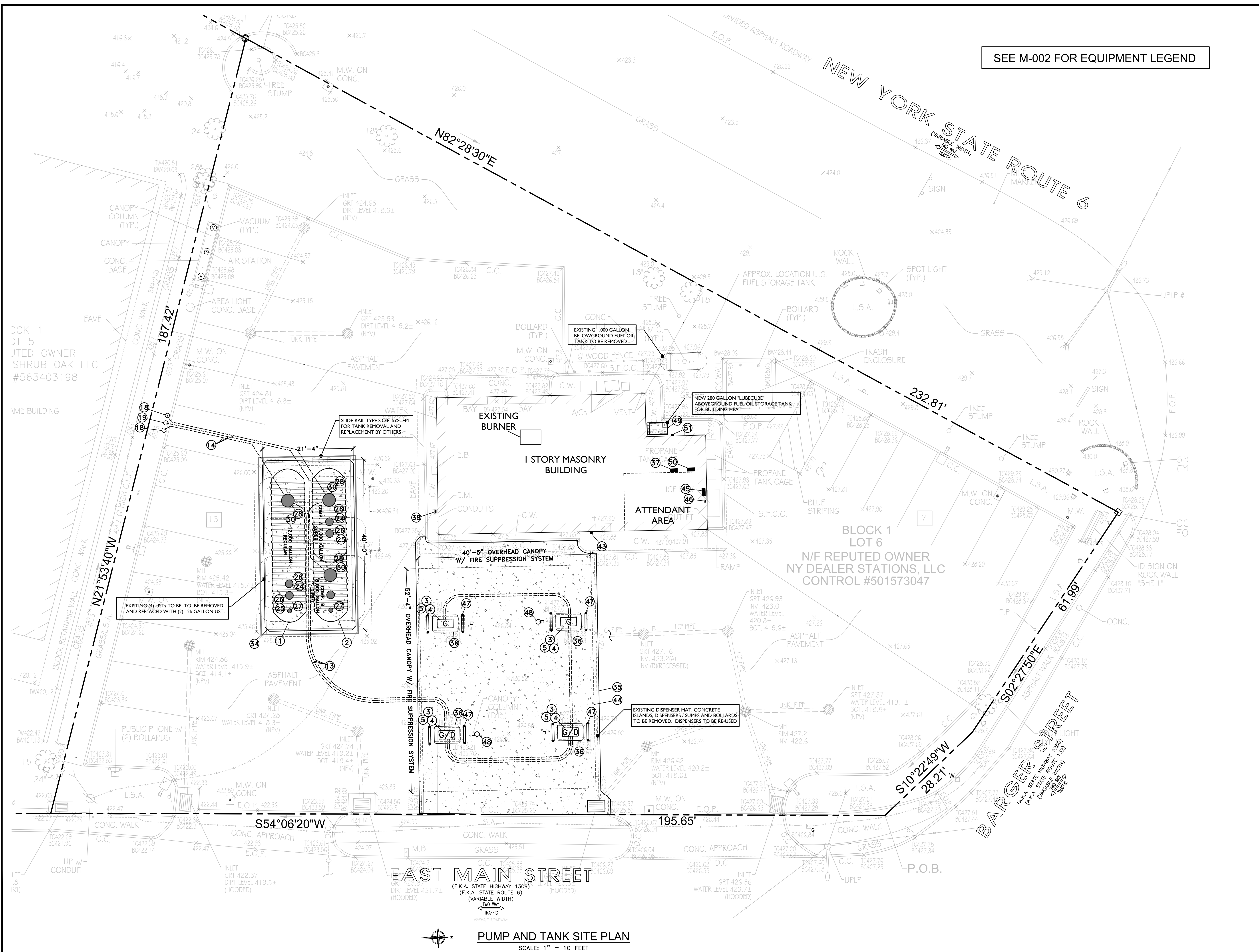
SECTION: BLOCK: 6
 LOT: 6 MAP: 16.07

DRAWING TITLE:
PROPOSED MOTOR FUEL DISPENSING SYSTEM UPGRADES
 SITE PLAN

PROJECT #: 200104
 SCALE: AS NOTED
 DATE: 11/30/20

DRAWING NO:
M-100.00
 SHEET NO:
3 OF 10

SEE M-002 FOR EQUIPMENT LEGEND



PUMP AND TANK SITE PLAN
 SCALE: 1" = 10 FEET

CLIENT
 JTD OWNER
 SHRUB OAK LLC
 #563403198

ME BUILDING

UP w/
 CONDUIT

ALL DRAWINGS ARE TO BE
 READ - NOT SCALED

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

ROBERT W. BRONZINO
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 LICENSE NO. 1077015

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

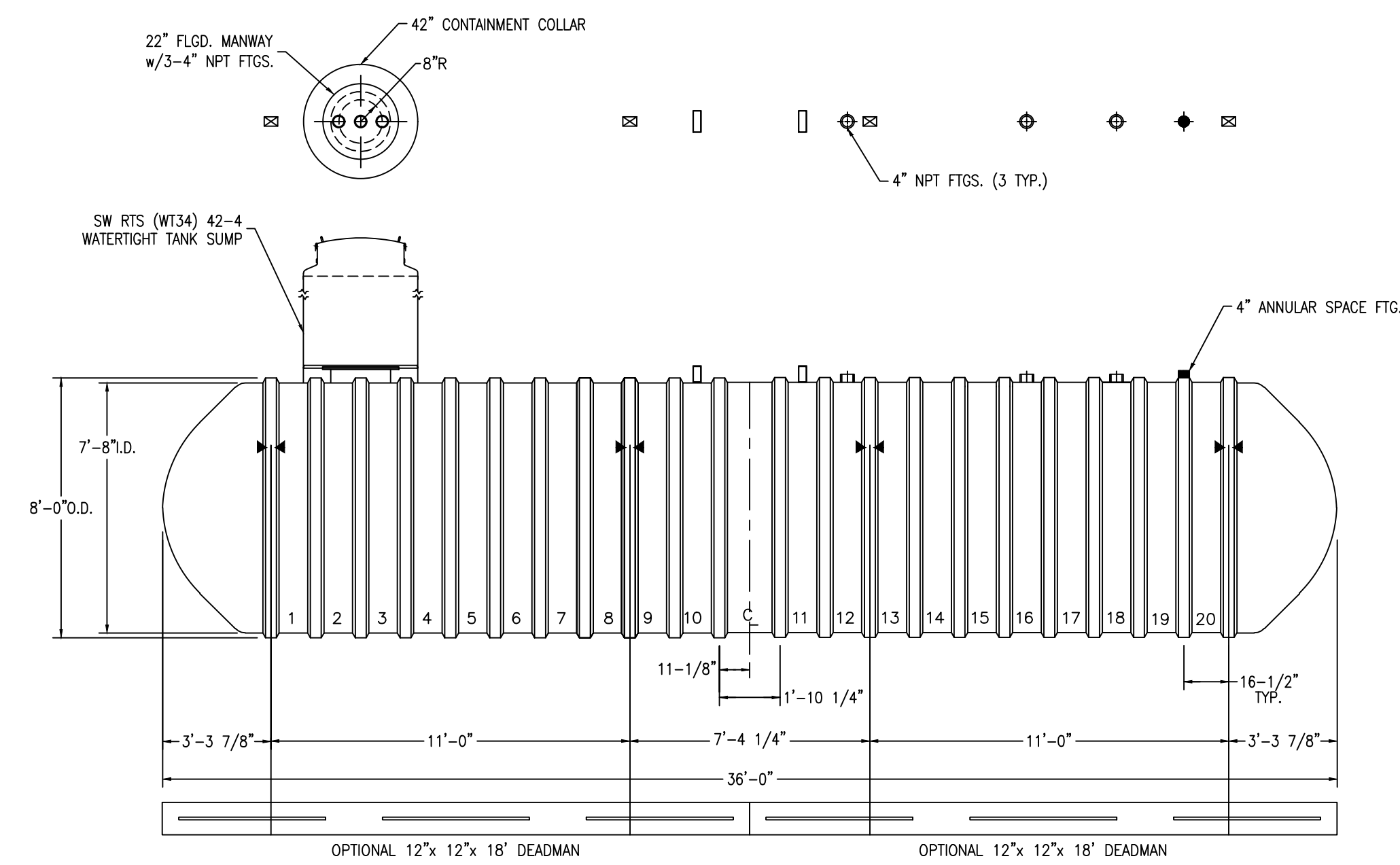
PROJECT:
EXISTING SHELL SERVICE STATION
 930 EAST MAIN STREET
 SHRUB OAK, NY

SECTION:	BLOCK: 6
LOT: 6	MAP: 16.07

DRAWING TITLE:
PROPOSED MOTOR FUEL DISPENSING SYSTEM UPGRADES TANK DETAILS

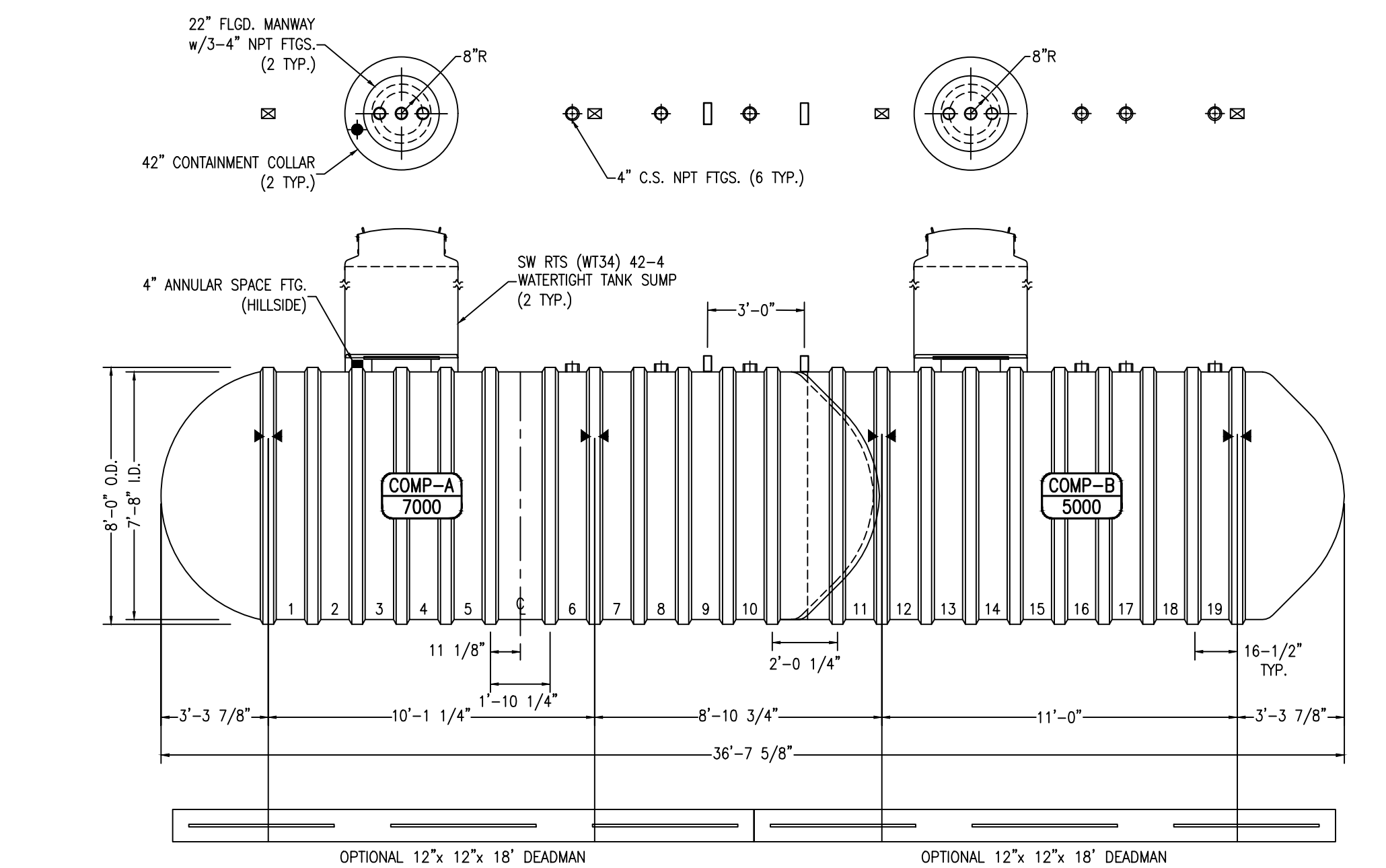
PROJECT #:	200104
SCALE:	AS NOTED
DATE:	11/30/20

DRAWING NO:
M-300.00
 SHEET NO:
4 OF 10



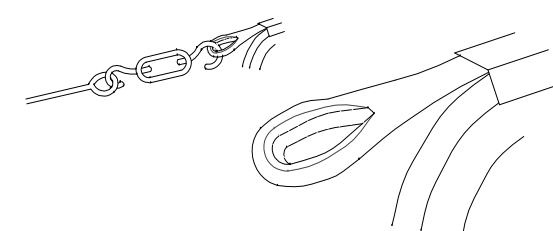
- NOTES:
- ☒ HOLD DOWN STRAP CLIP
 - ▶ HOLD DOWN STRAP LOCATION
 - TYPE "13" LIFT LUG - SD
 - TYPE "13" LIFT LUG - HD

12k GALLON SINGLE COMP. DOUBLE WALLED F.G. UST 1
 NOT TO SCALE M-300



- NOTES:
- ☒ HOLD DOWN STRAP CLIP
 - ▶ HOLD DOWN STRAP LOCATION
 - TYPE "13" LIFT LUG - SD
 - TYPE "13" LIFT LUG - HD

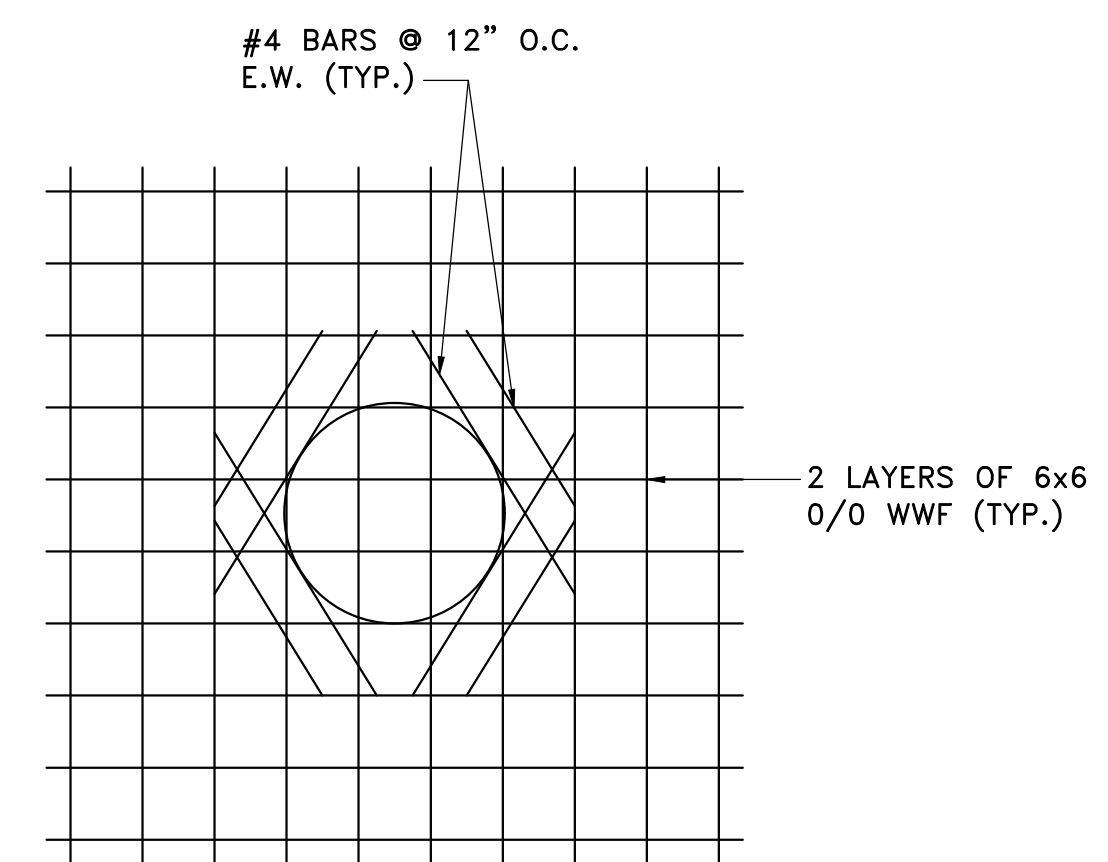
12k GALLON DUAL COMP. DOUBLE WALLED F.G. UST 2
 NOT TO SCALE M-300



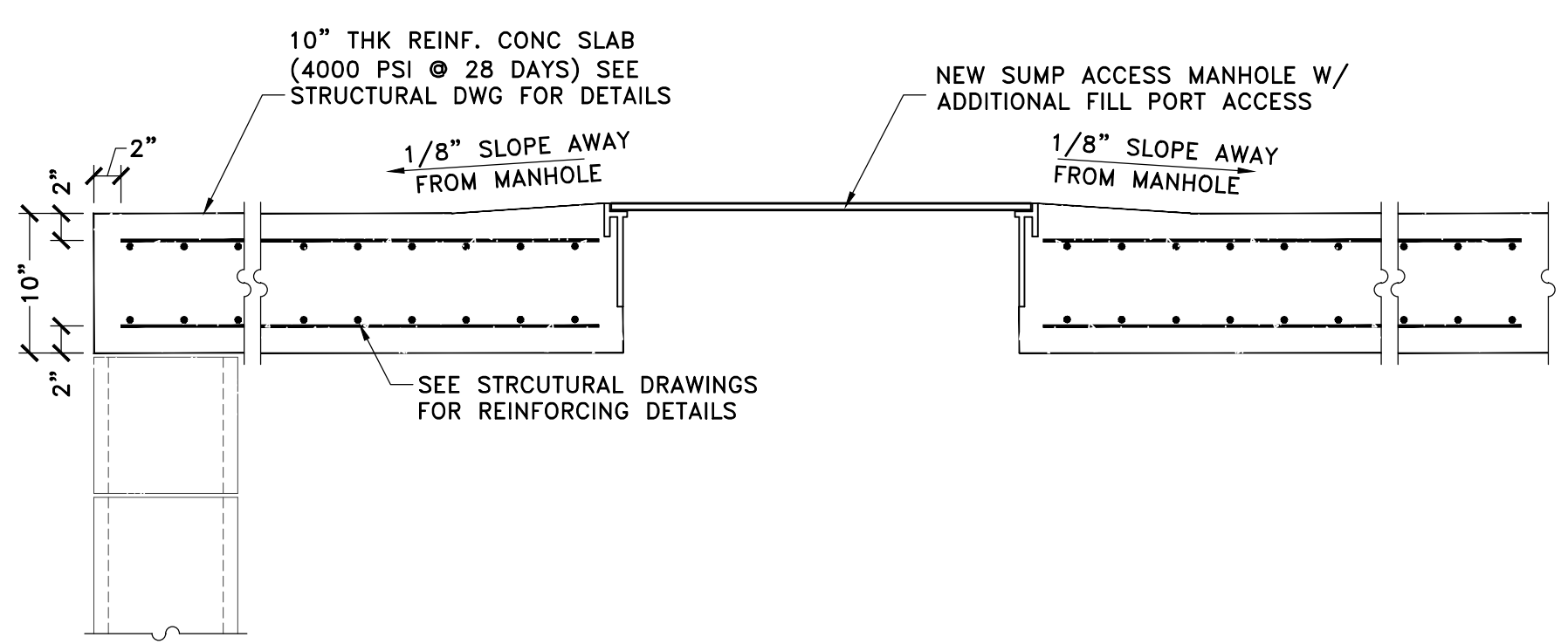
FIBERGLASS REINFORCED PLASTIC (FRP) HOLD-DOWN STRAPS. INSTALL AS PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS. 2-REQUIRED FOR EACH TANK.

FIBERGLASS REINFORCED PLASTIC (FRP) HOLD DOWN STRAP DETAIL 6
 NOT TO SCALE M-300

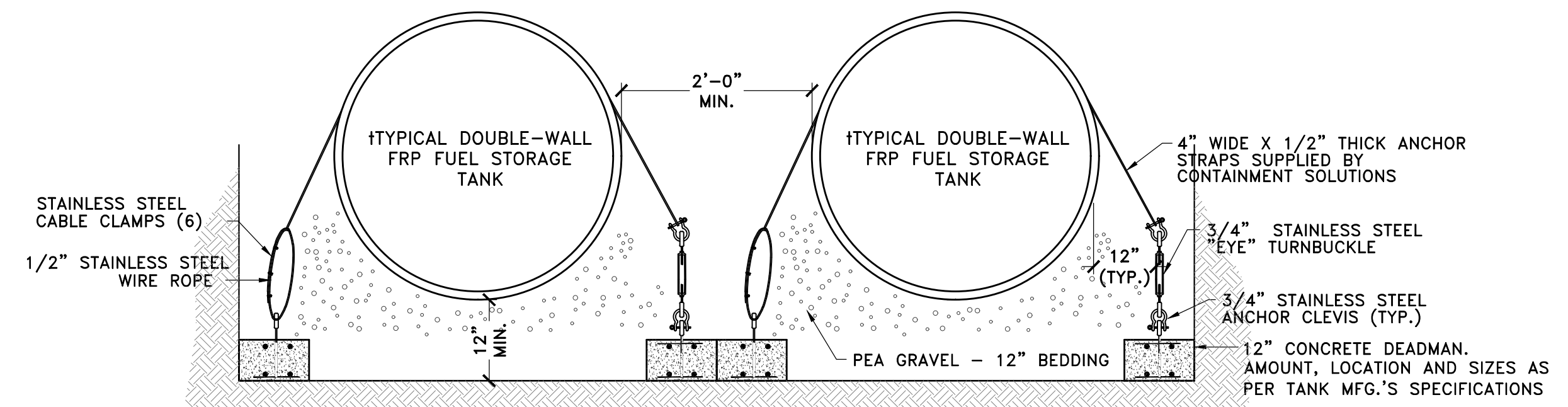
- NOTES:
- 1.0 PITCH CONCRETE AWAY FROM ALL MANHOLES
 - 2.0 TANK MAT TO BE 10" POURED CONC. W/ 2 LAYERS OF 6x6 O/O WWF. BROOM FINISH - PERPENDICULAR TO TRAFFIC FLOW.
 - 3.0 ISLANDS SHALL BE STAINLESS STEEL FORMS WITH POURED CONC. TROWEL FINISH.
 - 4.0 ISLAND MAT TO BE 6" POURED CONCRETE WITH 1 LAYER OF 6x6 O/O WWF. BROOM FINISH - PERPENDICULAR TO TRAFFIC FLOW.
 - 5.0 ALL CONCRETE TO BE MIN. OF 4,000 PSI.
 - 6.0 CONTRACTOR TO INSURE ALL STEEL REINFORCING IS EQUALLY SPACED.



MANWAY SLAB REINFORCING DETAIL 4
 NOT TO SCALE M-300



TOP SLAB DETAIL 3
 SCALE: 1"=1'-0" M-300



TYPICAL TANK ANCHORING SECTION 5
 NOT TO SCALE M-300

CLIENT
NY DEALER STATIONS
 235 MAMARONECK AVE.
 WHITE PLAINS, NY 10605

ALL DRAWINGS ARE TO BE
 READ - NOT SCALED

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

ROBERT W. BRONZINO
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 LICENSE NO. 1077015

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

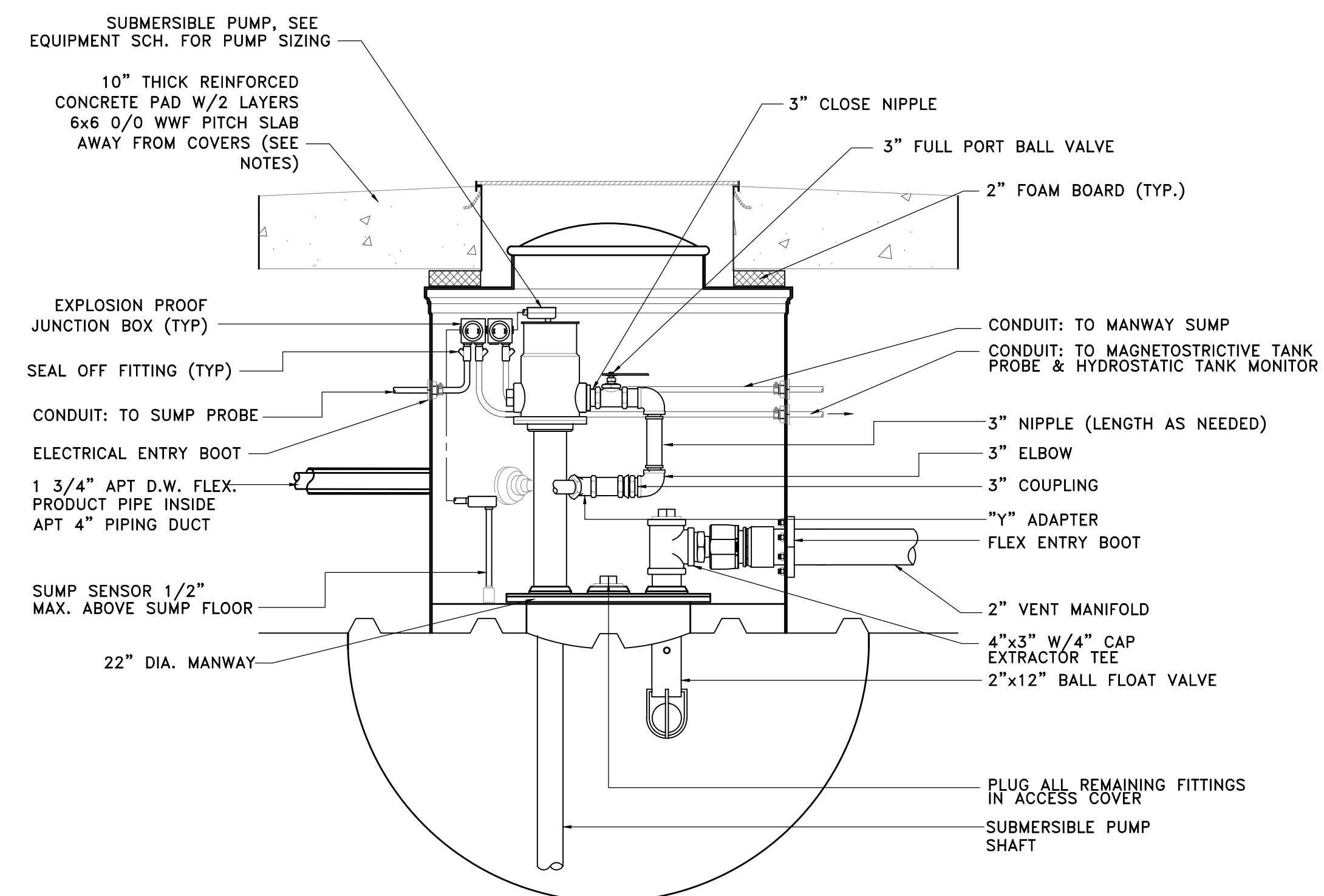
PROJECT:
EXISTING SHELL SERVICE STATION
 930 EAST MAIN STREET
 SHRUB OAK, NY

SECTION:	BLOCK: 6
LOT: 6	MAP: 16.07

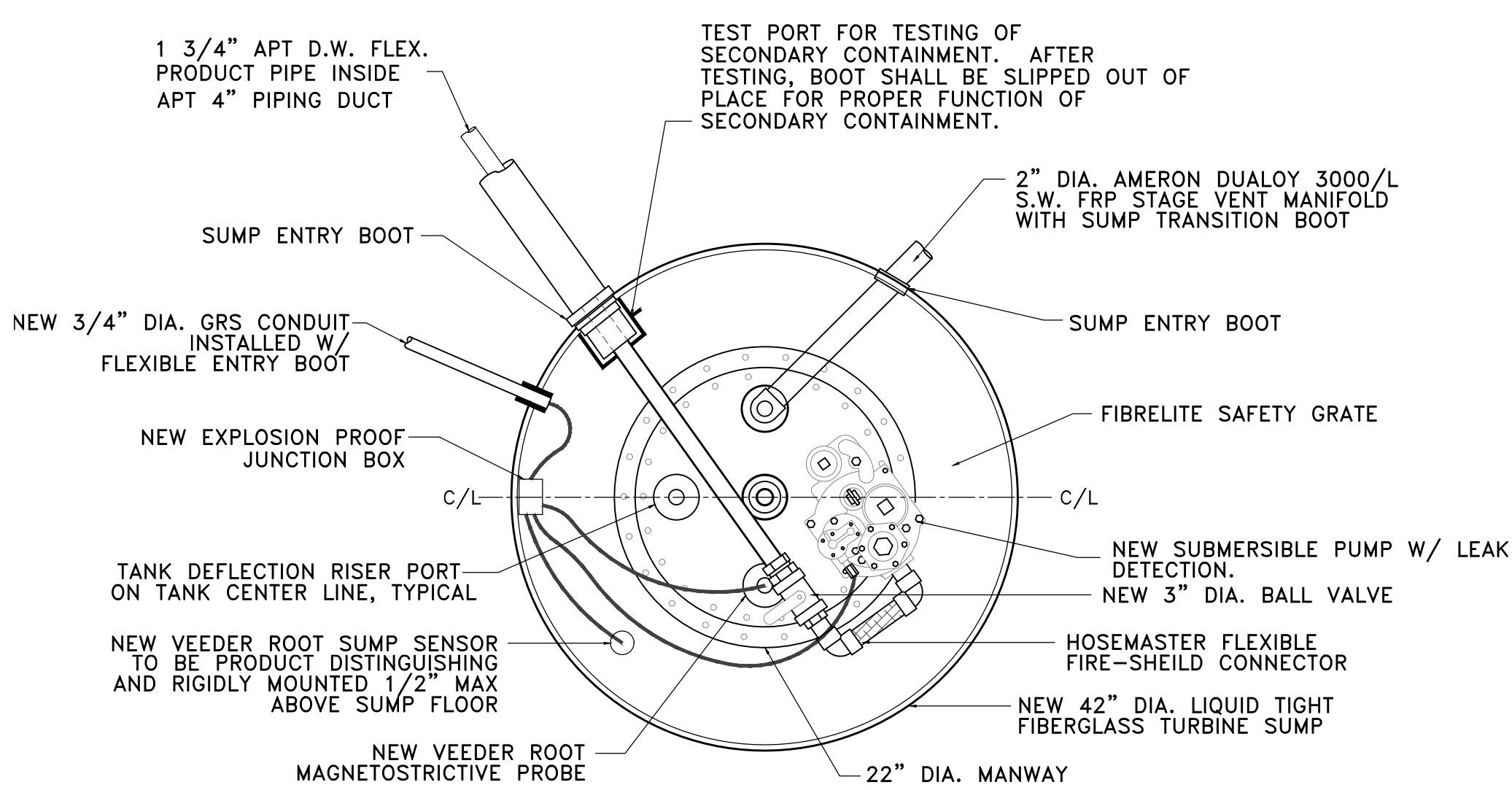
DRAWING TITLE:
PROPOSED MOTOR FUEL DISPENSING SYSTEM UPGRADES TANK DETAILS

PROJECT #:	200104
SCALE:	AS NOTED
DATE:	11/30/20
DRAWING NO.:	M-301.00

SHEET NO:
5 OF 10

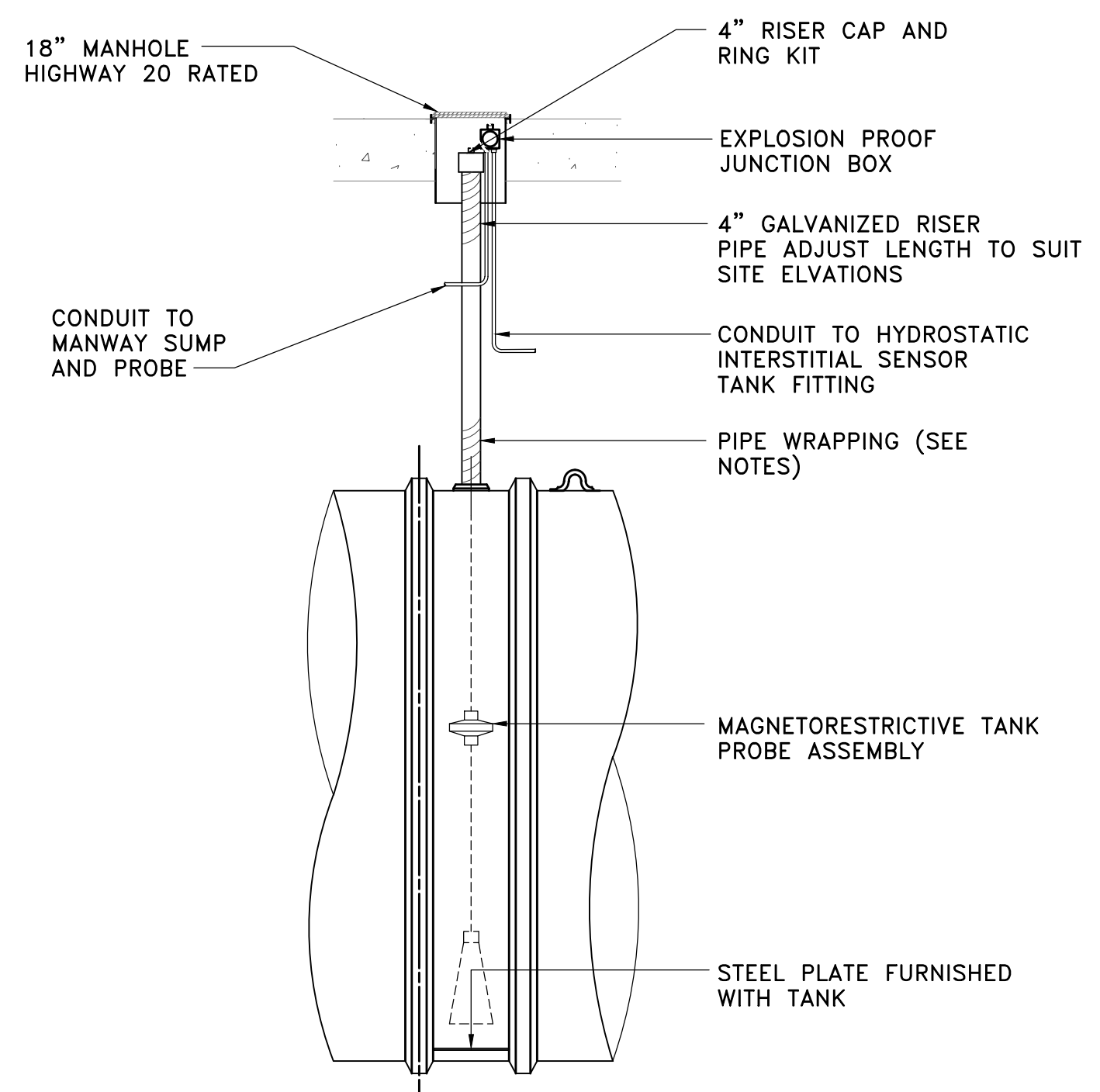


TYPICAL MANWAY DETAIL
 NOT TO SCALE
 7
 M-301

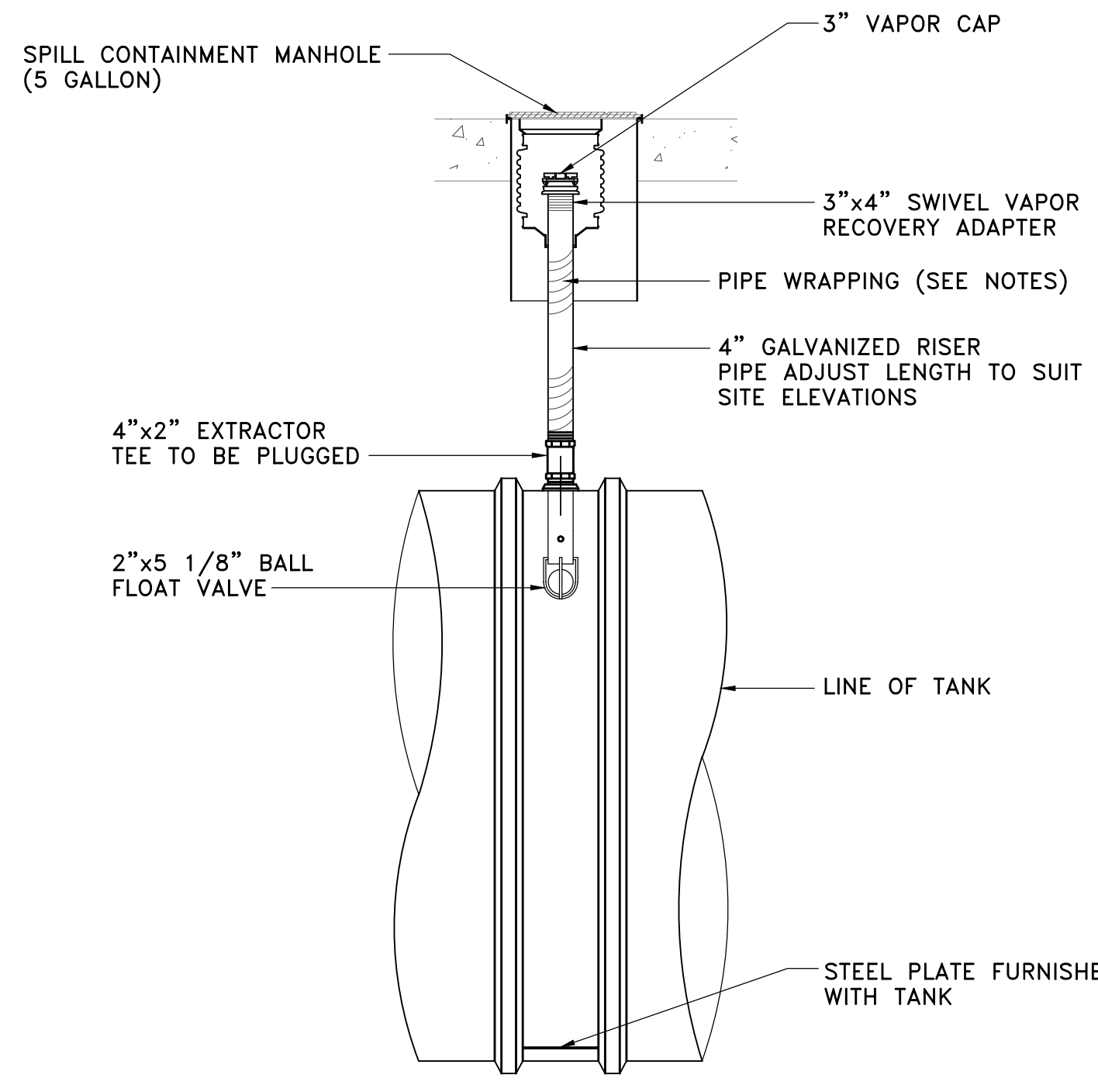


TYPICAL WET SUMP EQUIPMENT PLAN
 NOT TO SCALE
 8
 M-301

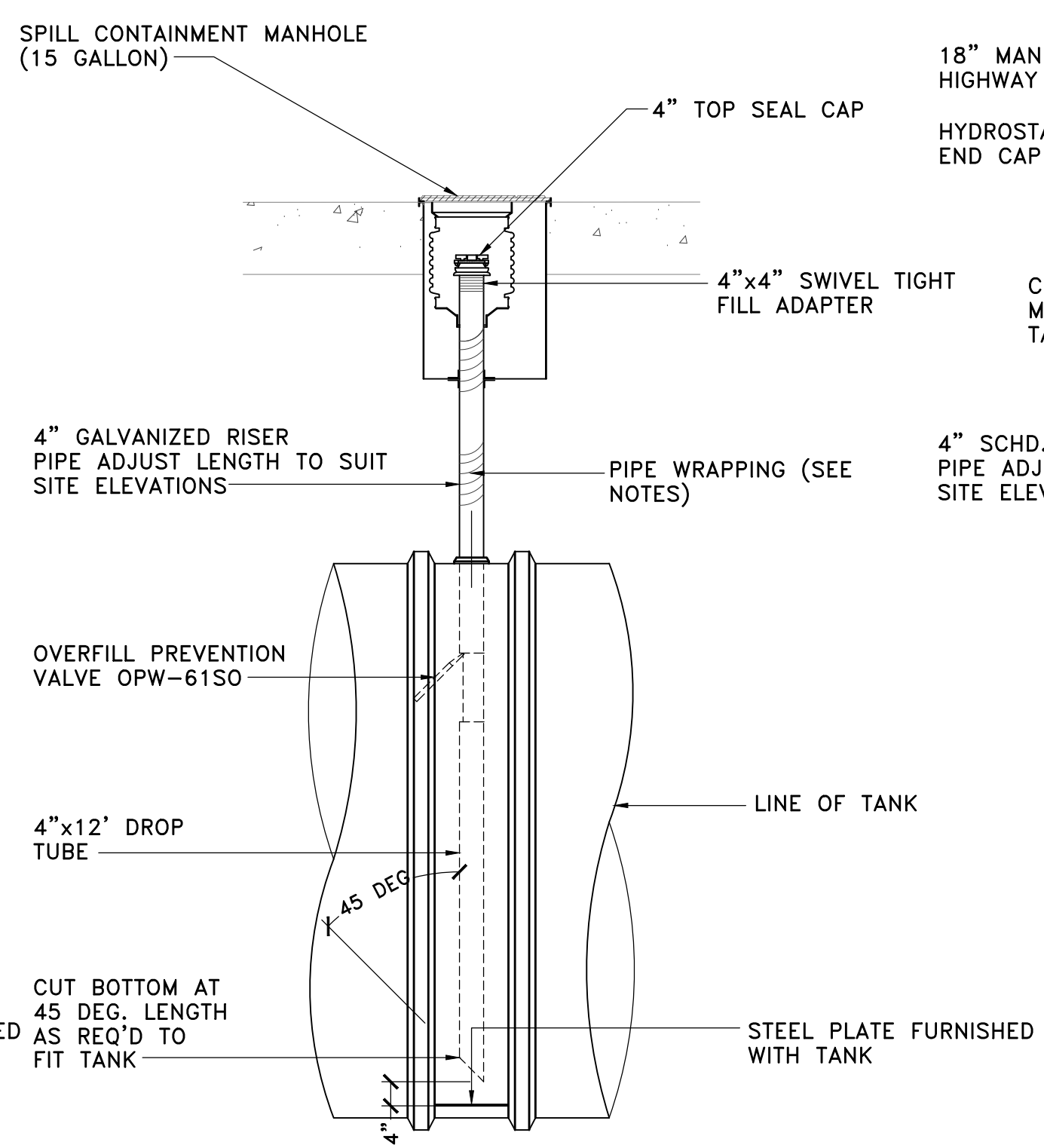
NOTE:
 AN APPROVED OVERFILL PREVENTION DEVICE SHALL BE PROVIDED TO PREVENT OVERFILLING. WHEN INSTALLED IN DIESEL FUEL TANKS, SUCH OVERFILL PREVENTION DEVICE SHALL BE DESIGNED TO WITHSTAND THE PRESSURE GENERATED BY THE CARGO TANK DISCHARGE PUMP AND SHALL AUTOMATICALLY SHUT OFF THE FLOW INTO THE TANK WHEN THE TANK IS NOT THAN 95% FULL.



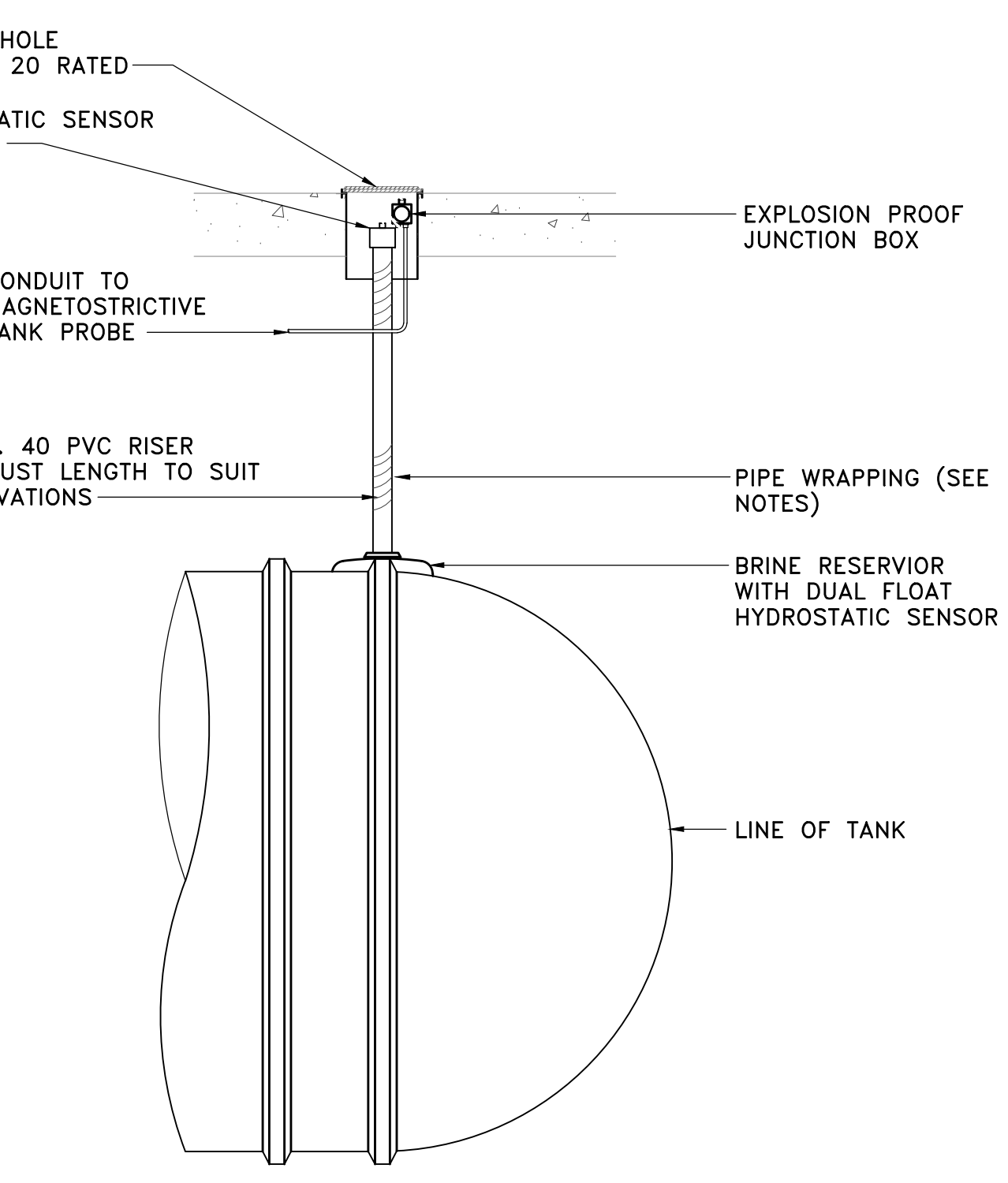
MAGNETOSTRICTIVE PROBE DETAIL
 NOT TO SCALE
 9
 M-301



STAGE I VAPOR RECOVERY DETAIL
 NOT TO SCALE
 10
 M-301



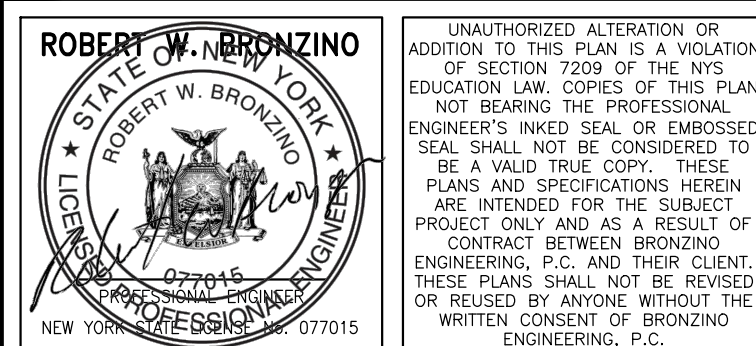
FILL PORT DETAIL
 NOT TO SCALE
 11
 M-301



INTERSTITIAL PROBE DETAIL
 NOT TO SCALE
 12
 M-301

ALL DRAWINGS ARE TO BE
 READ - NOT SCALED

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22



DOB APPROVAL:

PROJECT:
**EXISTING SHELL
 SERVICE STATION
 930 EAST MAIN
 STREET
 SHRUB OAK, NY**

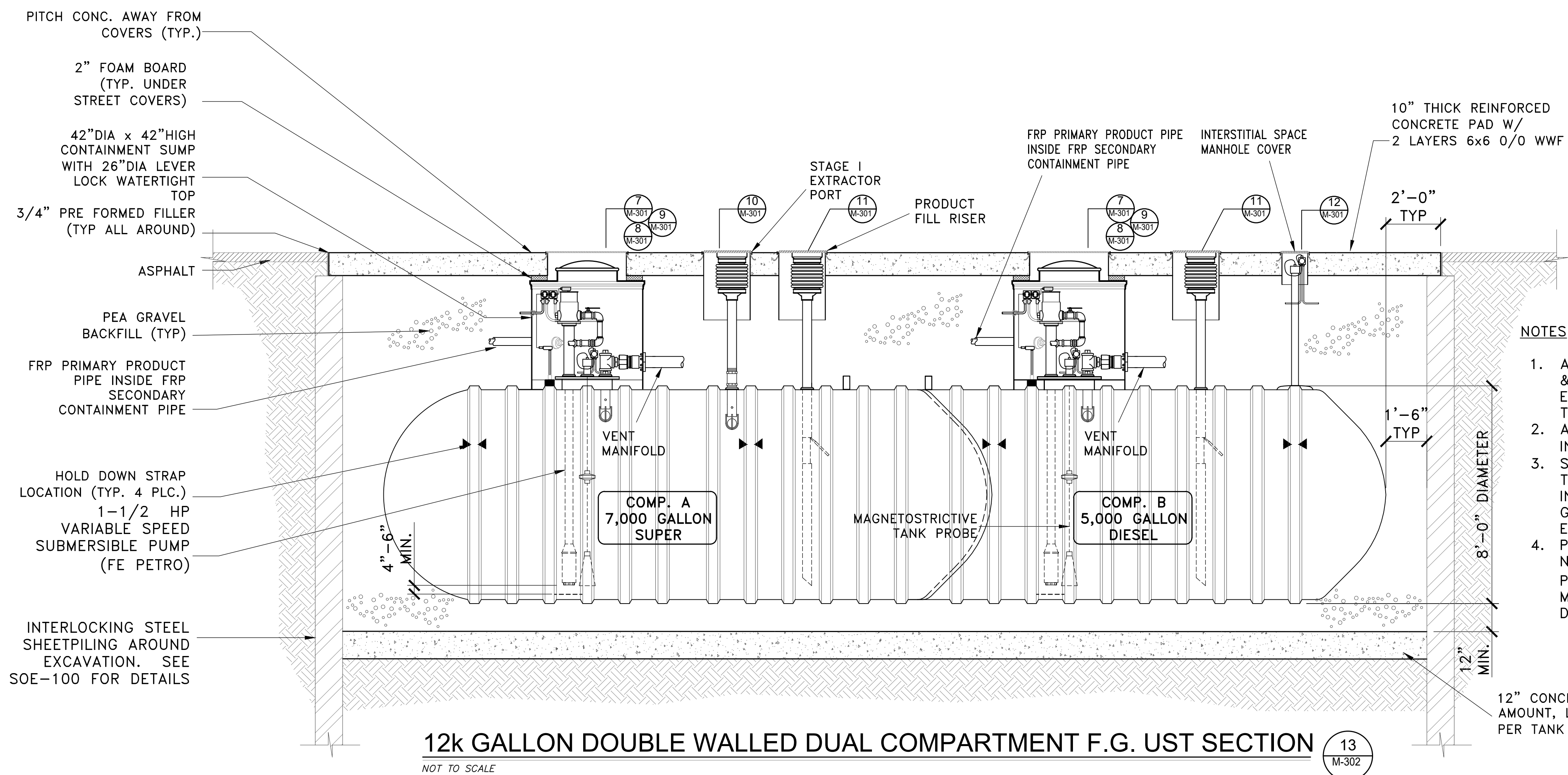
SECTION:	BLOCK: 6
LOT: 6	MAP: 16.07

DRAWING TITLE:
**PROPOSED MOTOR
 FUEL DISPENSING
 SYSTEM UPGRADES
 TANK DETAILS**

PROJECT #:	200104
SCALE:	AS NOTED
DATE:	11/30/20

M-302.00

SHEET NO:
6 OF 10



NOTES:

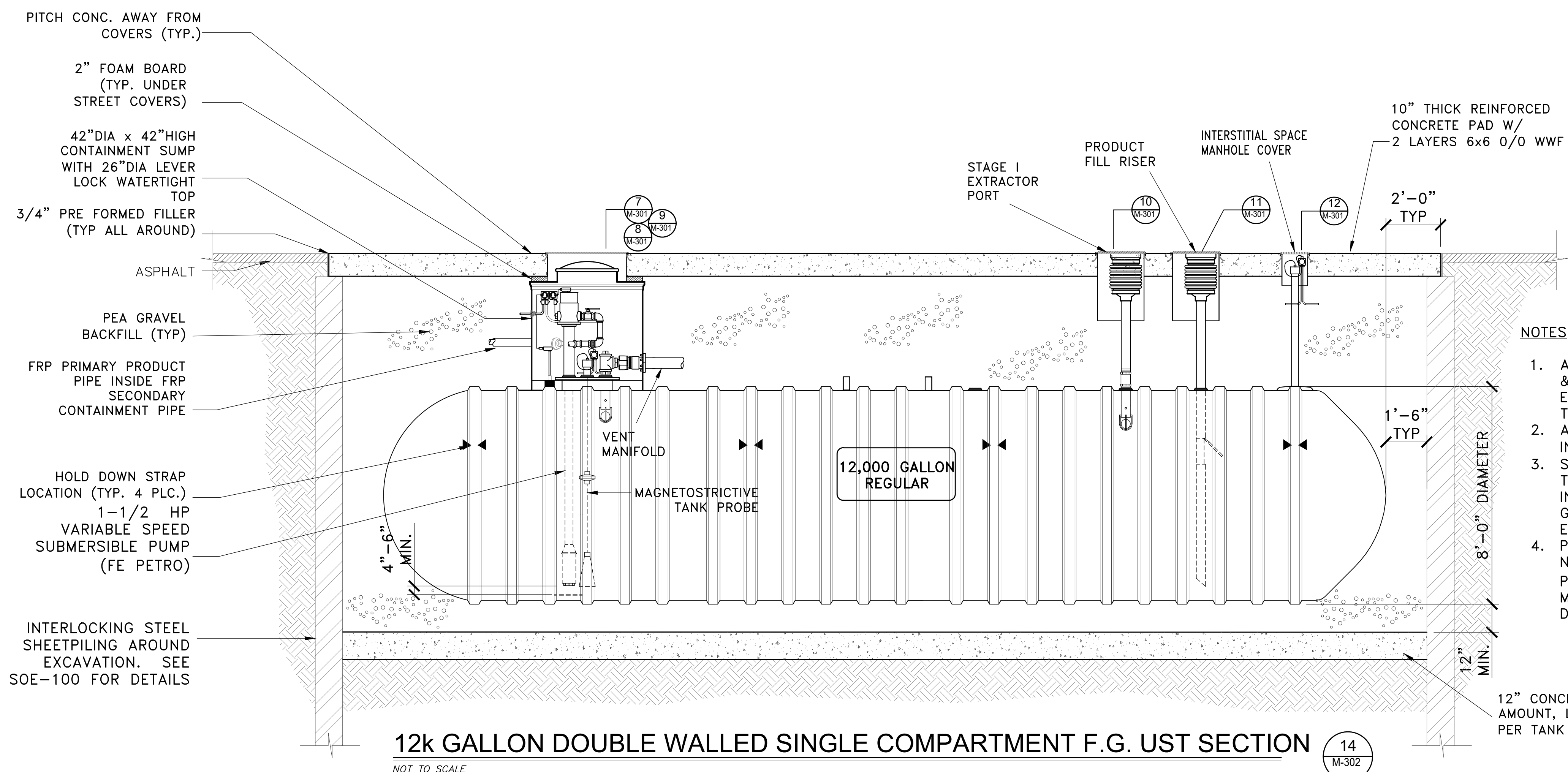
1. ALL STEEL UNDERGROUND FILL, VAPOR RECOVERY & VENT LINES TO BE PAINTED WITH COAL TAR EPOXY OR DOUBLE WRAPPED WITH 10 MIL. THICK DIELECTRIC TAPE.
2. ALL NEW TANK FILL PORTS MUST BEAR PLATE IN ACCORDANCE WITH N.Y.C.R.R. PART 614.3(a).
3. SOIL AT THE LEVEL OF THE TANK FOUNDATIONS TO BE UNDISTURBED SOIL, SUBJECT TO INSPECTION AND VERIFICATION BY A GEOTECHNICAL ENGINEER AT THE TIME OF EXCAVATION AND BEFORE TANK IS SET.
4. PEA GRAVEL SPECIFICATIONS: CLEAN NATURALLY-ROUNDED AGGREGATE WITH A PARTICLE SIZE NO LONGER THAN 3/4" WITH NO MORE THAN 5% PASSING A #8 SIEVE. DRY DENSITY MUST BE A MINIMUM OF 95 pcf

12" CONCRETE DEADMAN.
 AMOUNT, LOCATION AND SIZES AS
 PER TANK MFG.'S SPECIFICATIONS

12k GALLON DOUBLE WALLED DUAL COMPARTMENT F.G. UST SECTION

NOT TO SCALE

13
 M-302



NOTES:

1. ALL STEEL UNDERGROUND FILL, VAPOR RECOVERY & VENT LINES TO BE PAINTED WITH COAL TAR EPOXY OR DOUBLE WRAPPED WITH 10 MIL. THICK DIELECTRIC TAPE.
2. ALL NEW TANK FILL PORTS MUST BEAR PLATE IN ACCORDANCE WITH N.Y.C.R.R. PART 614.3(a).
3. SOIL AT THE LEVEL OF THE TANK FOUNDATIONS TO BE UNDISTURBED SOIL, SUBJECT TO INSPECTION AND VERIFICATION BY A GEOTECHNICAL ENGINEER AT THE TIME OF EXCAVATION AND BEFORE TANK IS SET.
4. PEA GRAVEL SPECIFICATIONS: CLEAN NATURALLY-ROUNDED AGGREGATE WITH A PARTICLE SIZE NO LONGER THAN 3/4" WITH NO MORE THAN 5% PASSING A #8 SIEVE. DRY DENSITY MUST BE A MINIMUM OF 95 pcf

12" CONCRETE DEADMAN.
 AMOUNT, LOCATION AND SIZES AS
 PER TANK MFG.'S SPECIFICATIONS

12k GALLON DOUBLE WALLED SINGLE COMPARTMENT F.G. UST SECTION

NOT TO SCALE

14
 M-302

CLIENT
NY DEALER STATIONS
 235 MAMARONECK AVE.
 WHITE PLAINS, NY 10605

ALL DRAWINGS ARE TO BE
 READ - NOT SCALED

1 REVISED NUMBER OF TANKS TO BE REMOVED 2/14/22
 No. DESCRIPTION DATE

ROBERT W. BRONZINO
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 LICENSE NO. 077015

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 2209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

PROJECT:
**EXISTING SHELL
 SERVICE STATION
 930 EAST MAIN
 STREET
 SHRUB OAK, NY**

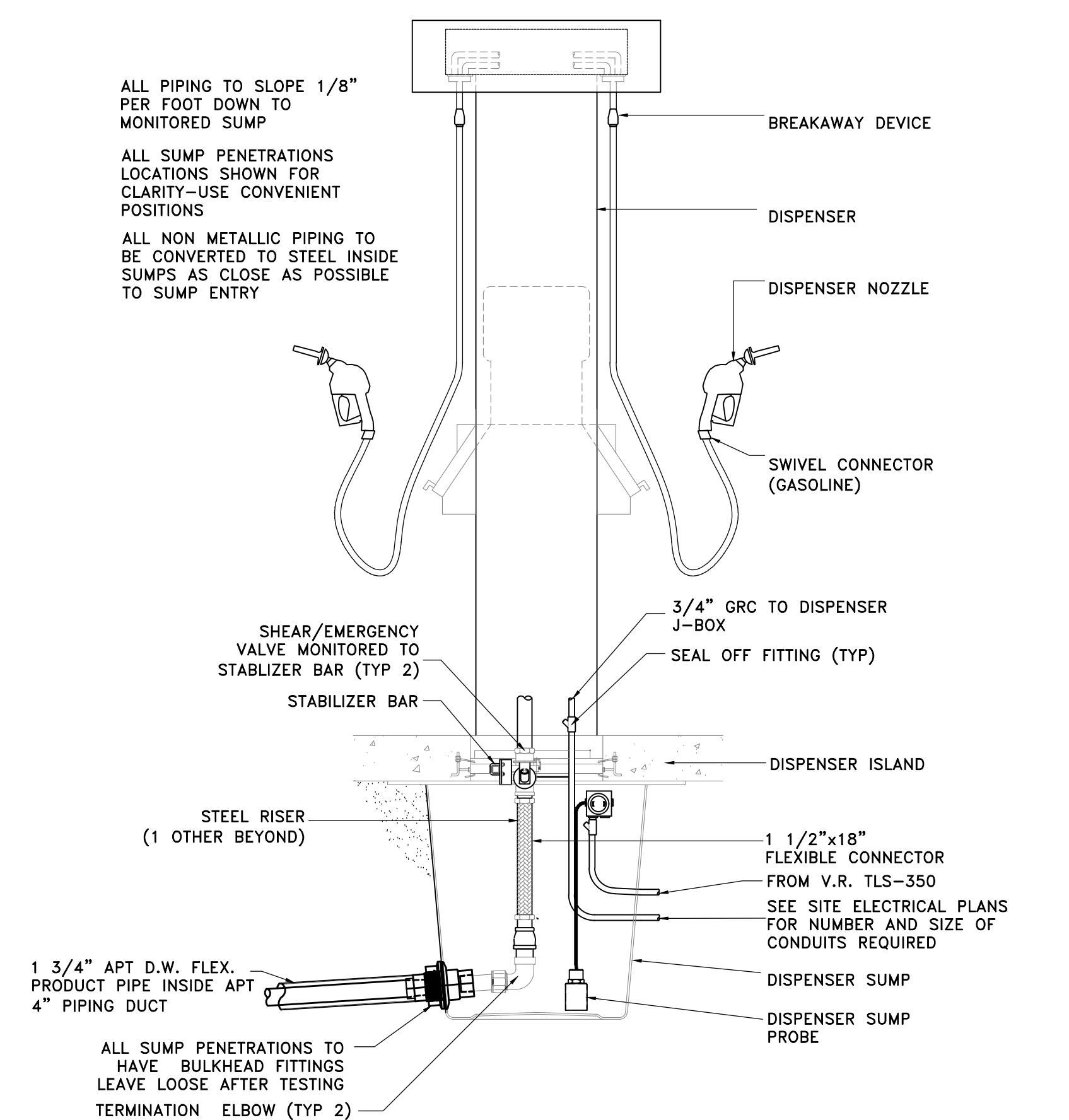
SECTION: BLOCK: 6
 LOT: 6 MAP: 16.07

DRAWING TITLE:
**PROPOSED MOTOR
 FUEL DISPENSING
 SYSTEM UPGRADES
 DISPENSER DETAILS**

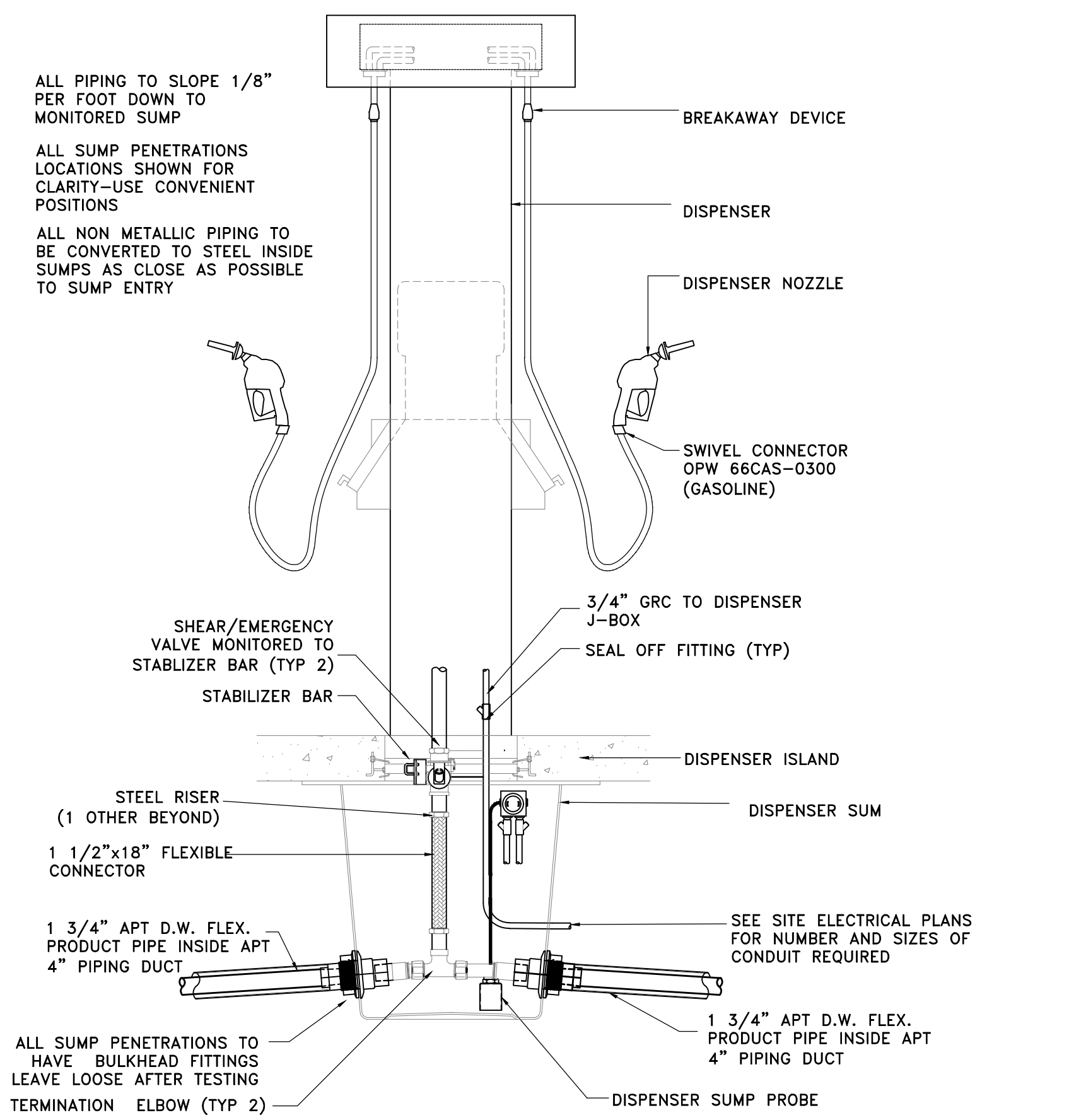
PROJECT #: 200104
 SCALE: AS NOTED
 DATE: 11/30/20
 DRAWING NO:

M-303.00

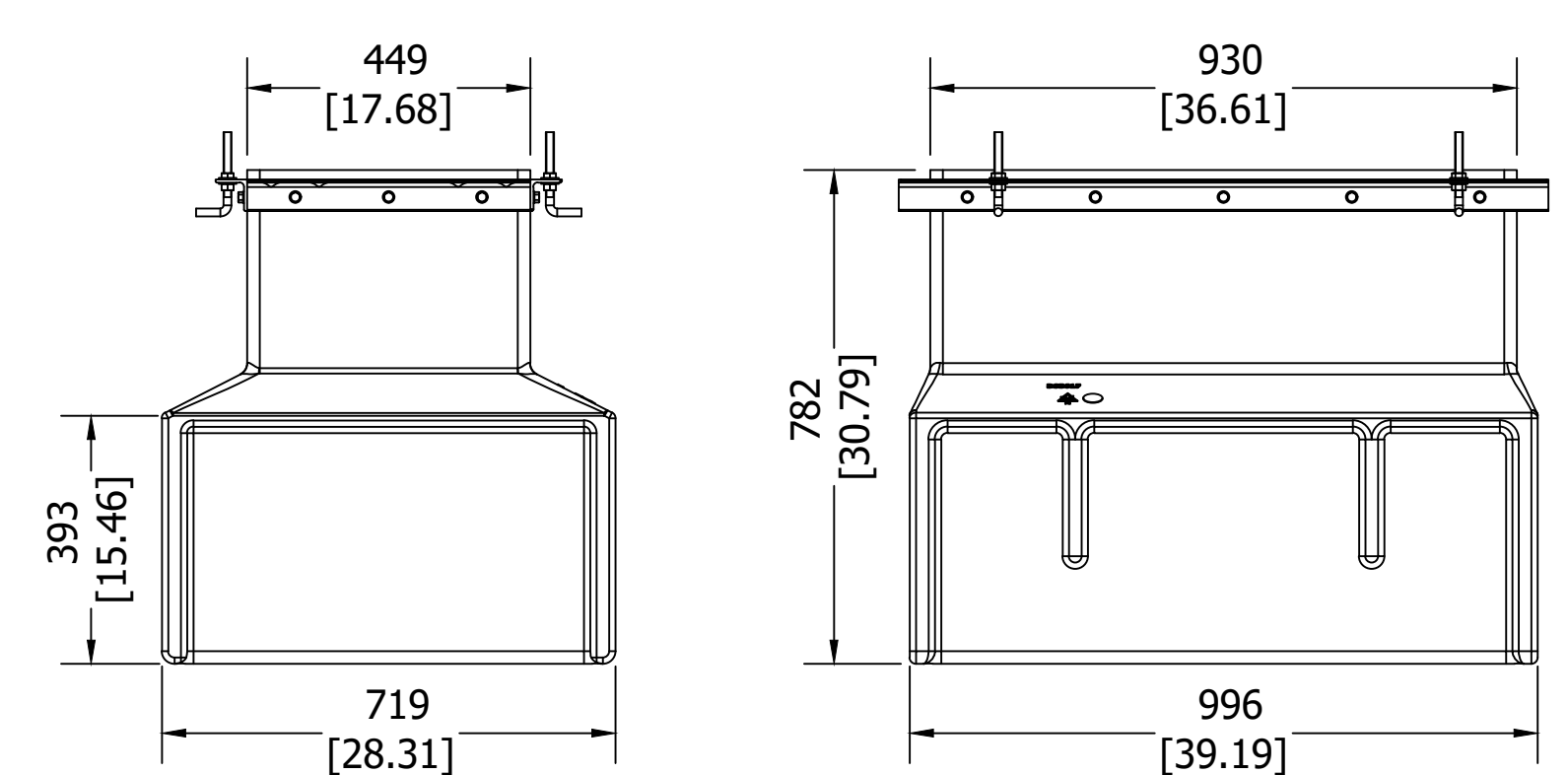
SHEET NO:
7 OF 10



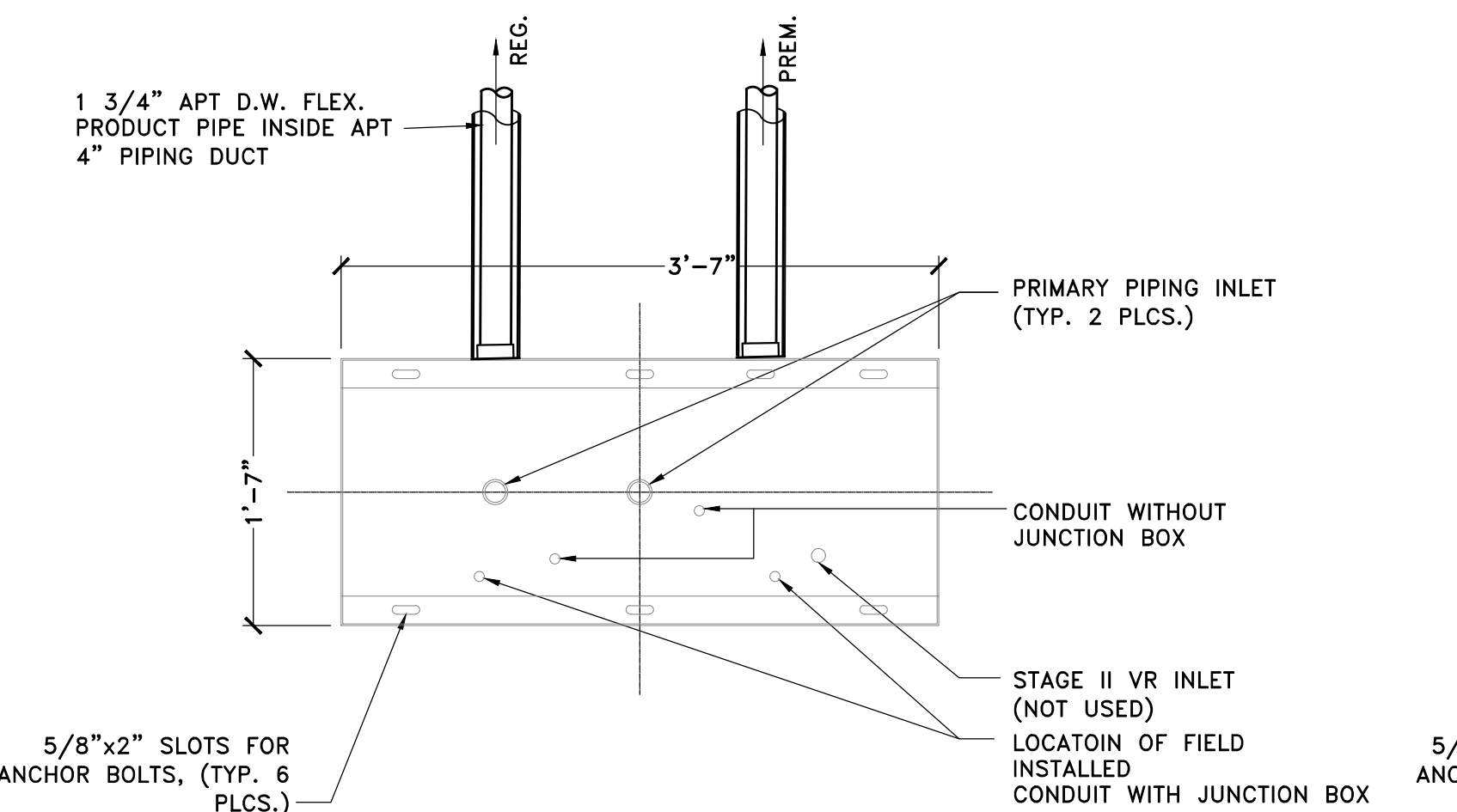
DISPENSER DETAIL (TERMINATION SUMP)
 SCALE : 3/4"=1'-0"
 15 M-303



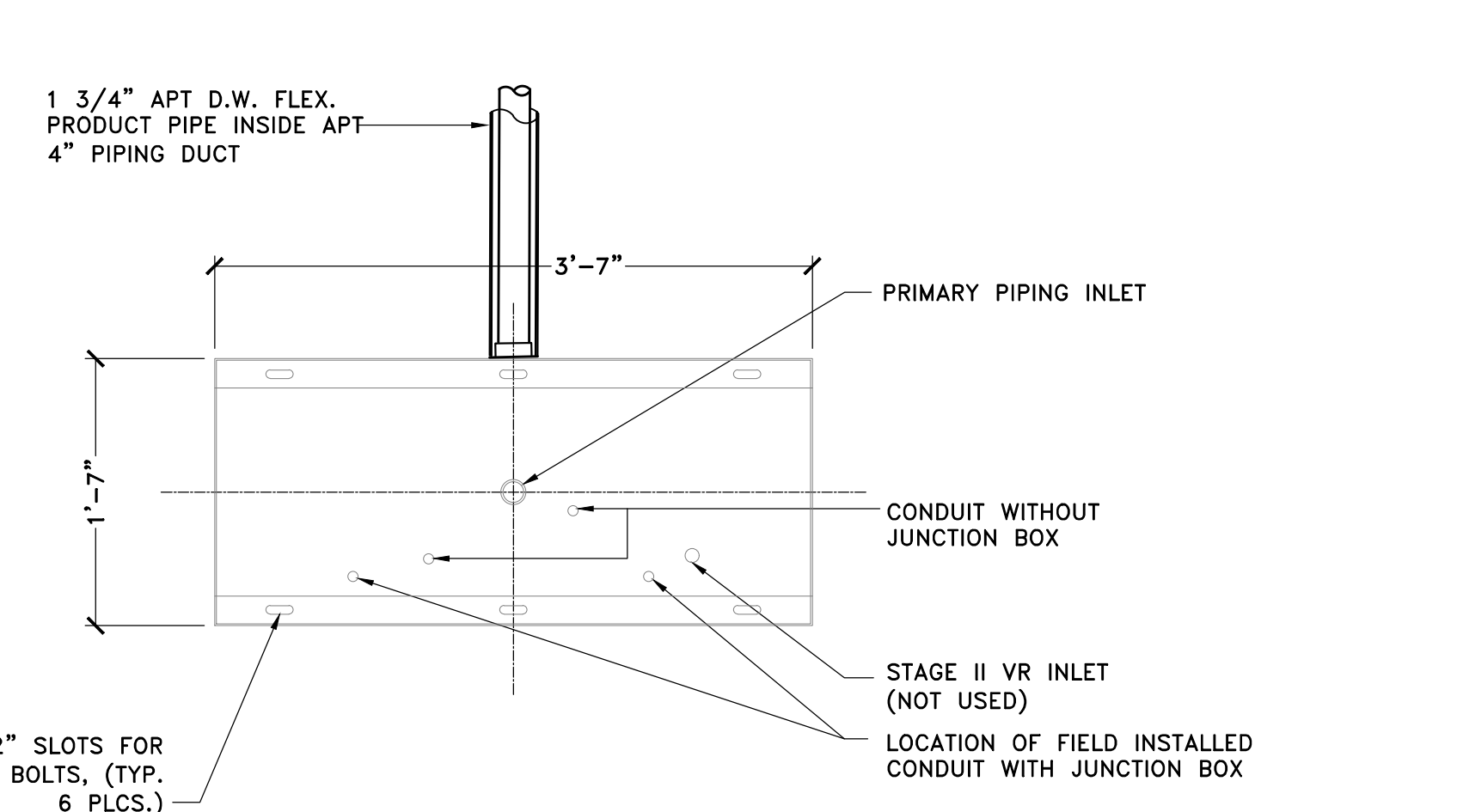
CONTRACTOR SHALL REVIEW & COORDINATE DISPENSER SUMPS W/ DISPENSERS PRIOR TO ORDERING OR INSTALLATION.



TYP. DISPENSER SUMP DETAIL
 NOT TO SCALE
 17 M-303



TYPICAL GASOLINE DISPENSER SUMP PLAN
 SCALE : 1"=1'-0"
 18 M-303



DIESEL DISPENSER PLAN
 SCALE : 1"=1'-0"
 19 M-303

MAXIMUM LENGTH OF ALL DISPENSER HOSES SHALL BE 18 FEET AS PER NYCFC 2008, SECTION 2206.7.5

EMERGENCY SHUTOFF VALVE SHALL BE INSTALLED SO THE SHEAR GROOVE IS FLUSH OR WITHIN 1/2" OF THE TOP OF THE CONCRETE DISPENSER ISLAND AS PER IFC SECTION 2206.7.4.

ALL SUBMERSIBLE PUMPS SHALL BE EQUIPPED WITH STANDARD SAFETY FEATURE TO PERMIT FUEL PUMP TO OPERATE ONLY WHEN FUEL NOZZLE IS REMOVED FROM ITS BRACKET, OR NORMAL POSITION WITH RESPECT TO THE DISPENSING DEVICE AND THE SWITCH ON THE DISPENSING DEVICE IS MANUALLY ACTUATED. THIS CONTROL SHALL ALSO STOP THE FUEL PUMP WHEN ALL NOZZLES HAVE BEEN RETURNED EITHER TO THEIR BRACKETS, OR TO THE NORMAL NON-DISPENSING POSITION.

DISPENSER NOZZLE SHALL BE "LISTED" AUTOMATIC-CLOSING TYPE NOZZLE VALVE WITHOUT A LATCH-OPEN DEVICE, AS PER 2008 NYCFC, SECTION 2206.7.6.

No.	DESCRIPTION	DATE
1	REVISED NUMBER OF TANKS TO BE REMOVED	2/14/22

ROBERT W. BRONZINO
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 LICENSE NO. 077015

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 2209 OF THE NYS EDUCATION LAW. COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. THESE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AND AS A RESULT OF CONTRACT BETWEEN BRONZINO ENGINEERING, P.C. AND THEIR CLIENT. THESE PLANS SHALL NOT BE REVISED OR REUSED BY ANYONE WITHOUT THE WRITTEN CONSENT OF BRONZINO ENGINEERING, P.C.

DOB APPROVAL:

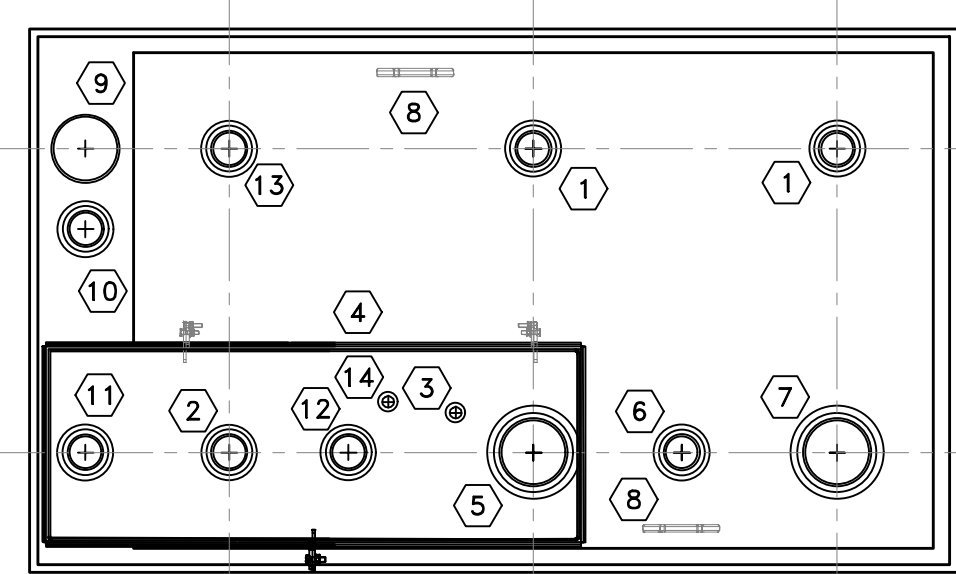
PROJECT:
EXISTING SHELL SERVICE STATION
 930 EAST MAIN STREET
 SHRUB OAK, NY

SECTION:	BLOCK: 6
LOT: 6	MAP: 16.07

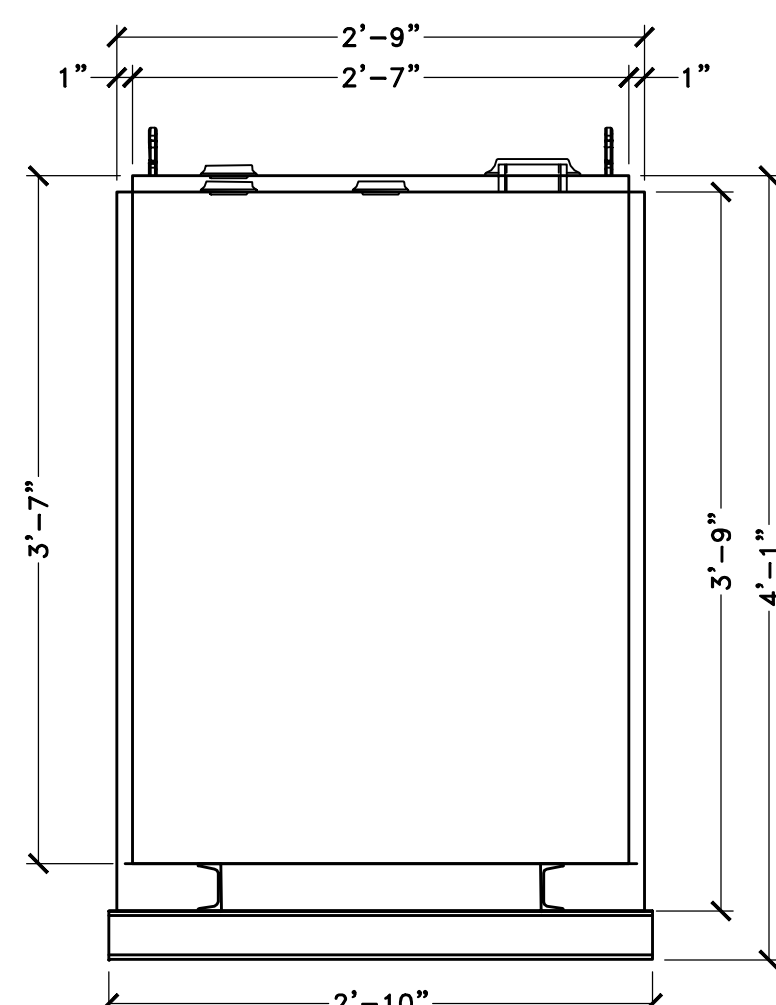
DRAWING TITLE:
PROPOSED MOTOR FUEL DISPENSING SYSTEM UPGRADES FUEL OIL TANK DETAILS

PROJECT #:	200104
SCALE:	AS NOTED
DATE:	11/30/20
DRAWING NO:	

M-305.00
 SHEET NO:
9 OF 10



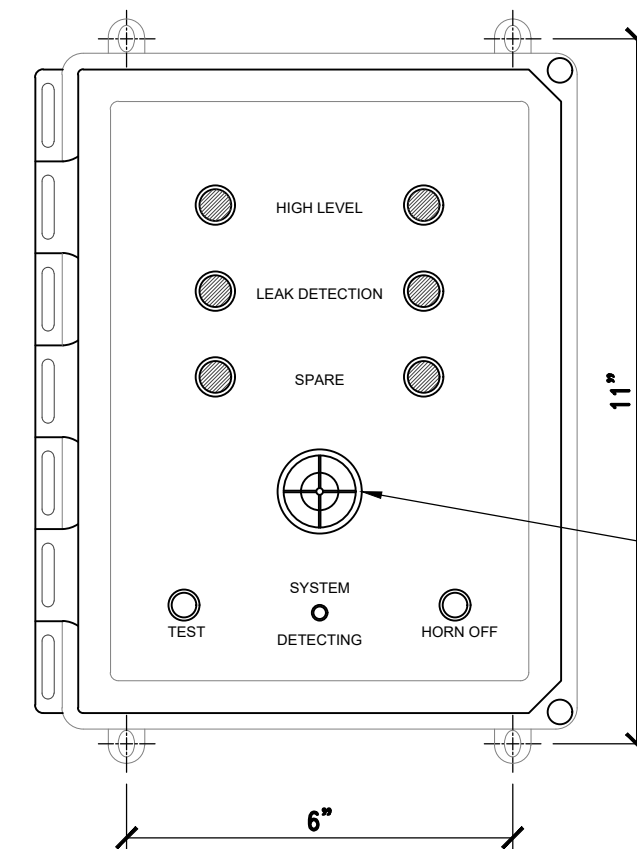
TOP VIEW



END VIEW

TANK HIGH LEVEL

1. THE OVERFILL PREVENTION VALVE SHALL BE SET TO LIMIT THE PRODUCT IN THE TANK TO 95% OF CAPACITY.
2. THE HIGH LEVEL SENSOR IS TO BE SET TO ALARM AT 90% OF TANK CAPACITY



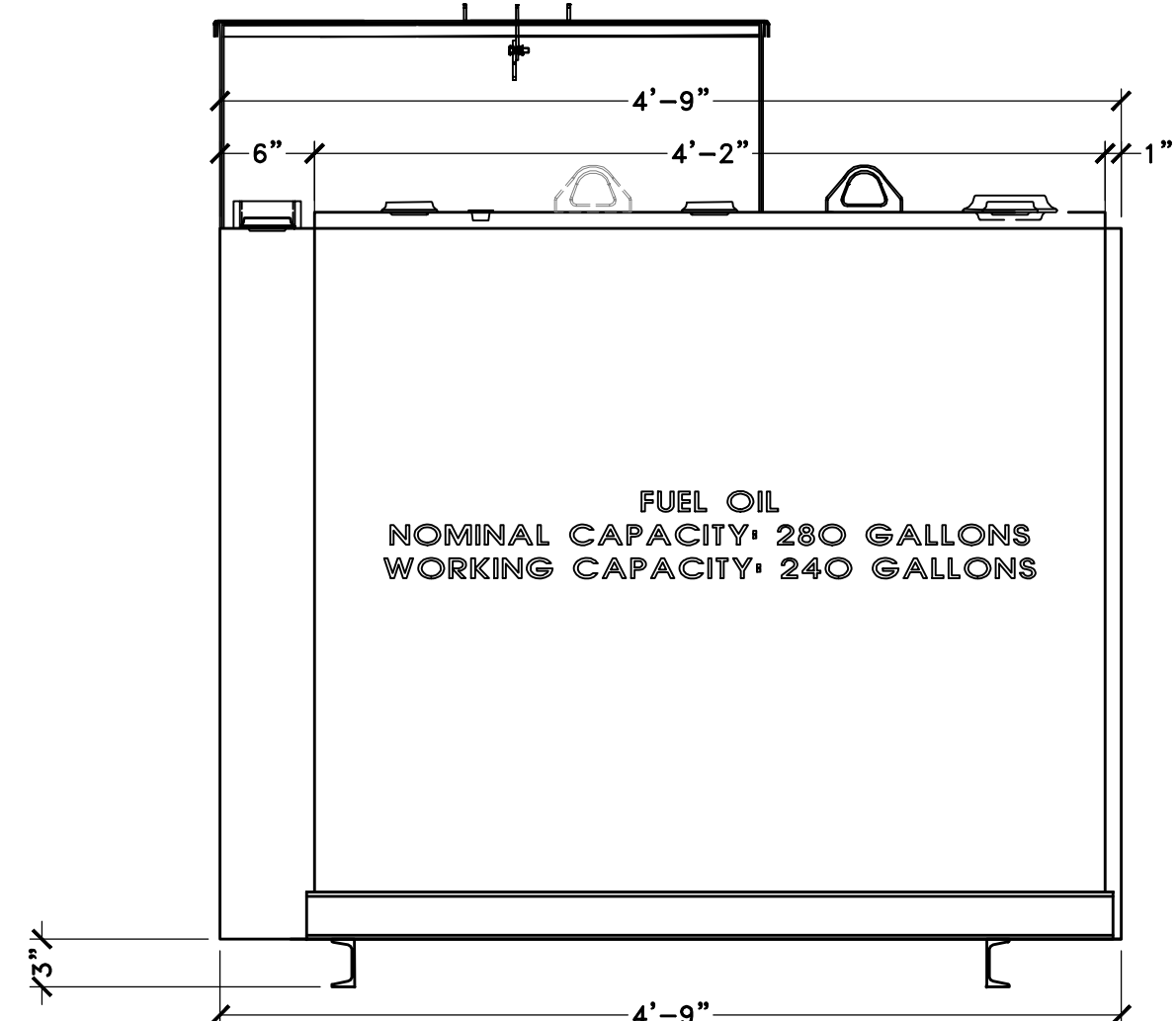
NOTE:
 MONITORING PANEL TO BE INSTALLED AND SUPPORTED AS PER MANUFACTURERS SPECIFICATIONS

AUDIO / VISUAL ALARM

OMNTEC L1PD2 MONITORING PANEL

NOT TO SCALE

31
 M-305



SIDE VIEW

280 GALLON "LUBECUBE" TANK DETAILS

SCALE : 1"=1'-0"

30
 M-305

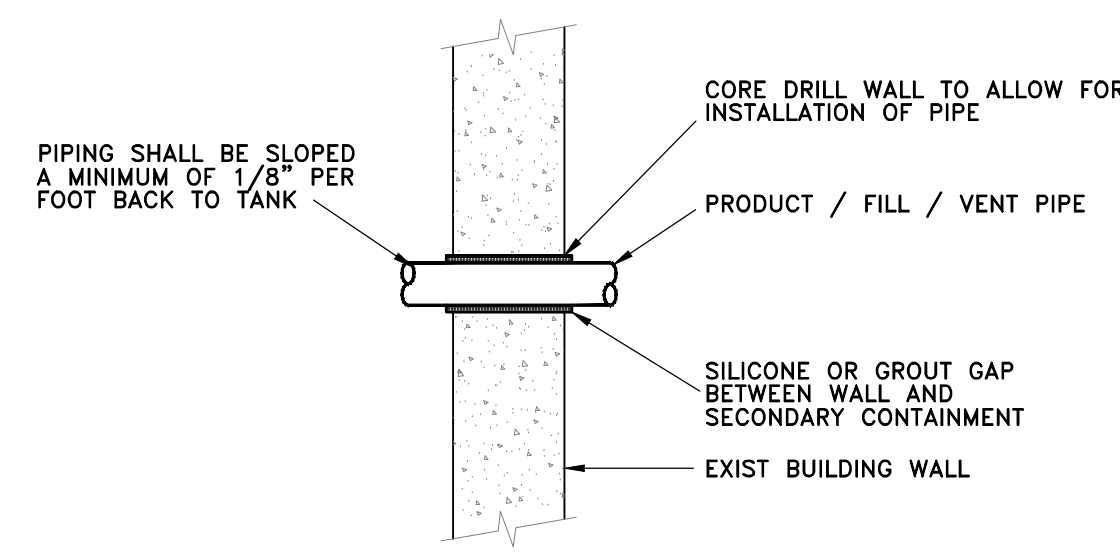
NOTE:
 OVERALL SHIPPING DIMENSION: 4'-10" L X 2'-10" W X 5'-2" H

TANK SPECIFICATIONS
 VENTING CAPACITY: PRIMARY TANK - 63,200 CUBIC FEET PER HOUR
 SECONDARY TANK - 73,700 CUBIC FEET PER HOUR

MATERIAL: PRIMARY TANK - 10 GA.
 SECONDARY TANK - 10 GA.

NOTE: PRIMARY TANK VENT TO TERMINATE A MIN. OF 8 FEET ABOVE TANK TOP

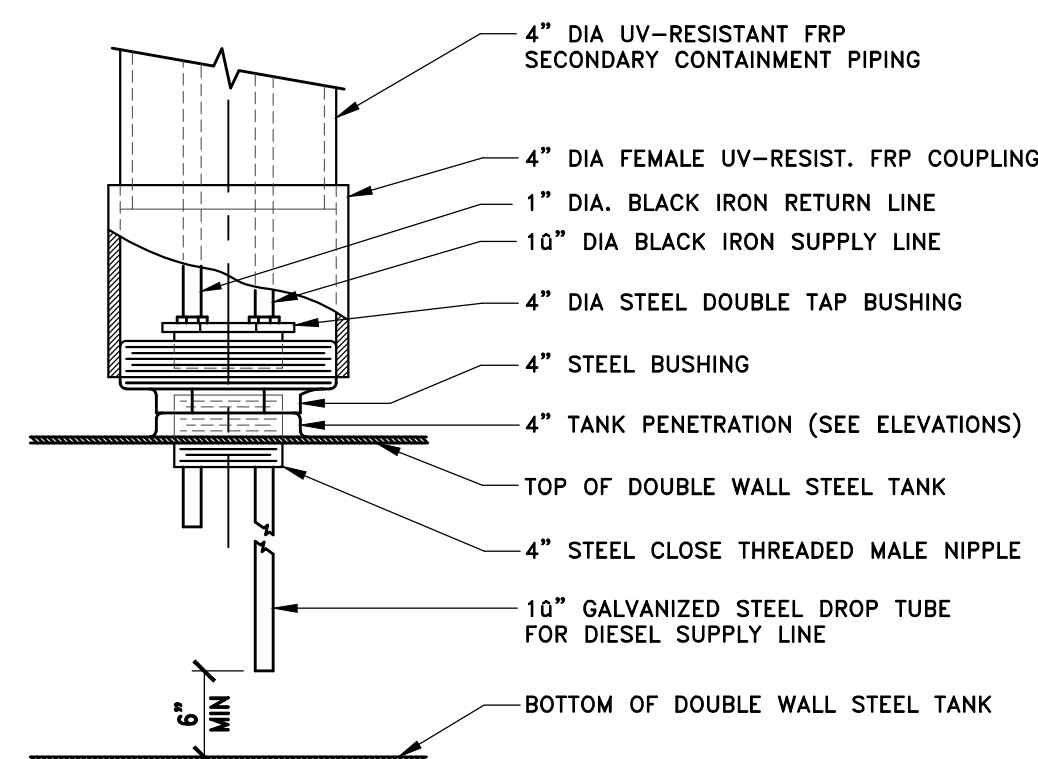
ITEM	SIZE	DESCRIPTION
①	2"	SPARE
②	2"	FILL PORT (OPW ISTOP-1000)
③	1/2"	DRAIN FOR SPILL BOX
④	N/A	15 GALLON STEEL SPILL BOX
⑤	4"	PRIMARY EMERGENCY VENT (OPW 202)
⑥	2"	SITE GAUGE (SCULLY UNI-GAUGE)
⑦	4"	SPARE
⑧	N/A	LIFTING LUG
⑨	4"	SECONDARY EMERGENCY VENT (OPW 202)
⑩	2"	SECONDARY TANK VENT (OEM 4025)
⑪	4"	SECONDARY OVERFLOW PORT PORT (SET AT TANK TOP ELEV.)
⑫	2"	HIGH LEVEL GAUGE (OMNTEC L-SERIES)
⑬	2"	PRIMARY TANK VENT (OEM 4025)
⑭	N/A	SPILL BOX LEAK DETECTION (OMNTEC LS-ASC)



WALL PENETRATION DETAIL

NOT TO SCALE

32
 M-305

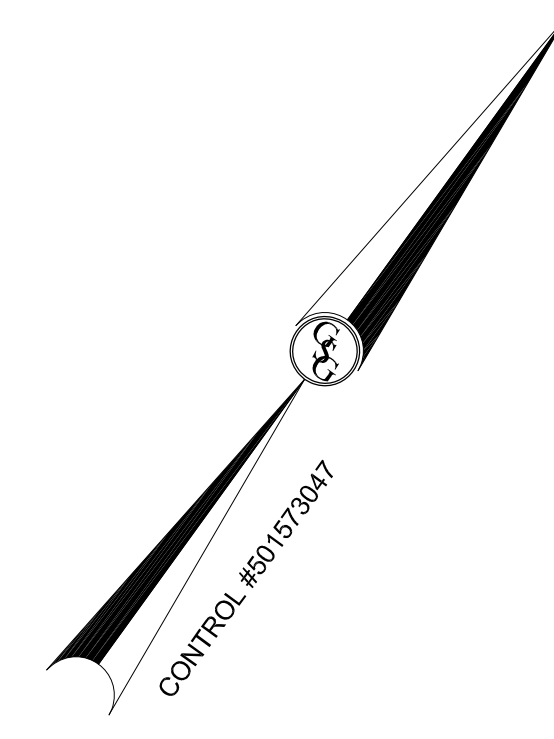


DOUBLE TAP BUSHING DETAIL

NOT TO SCALE

33
 M-305

MAP LEGEND	
	PROPERTY LINE
	EXISTING CONTOUR
	FENCE
	EXIST. BUILDING FOOTPRINT AT GROUND LEVEL & DOORWAY
	EXISTING SPOT ELEVATION
	EXIST. TOP OF CURB ELEVATION
	EXIST. GUTTER ELEVATION
	EXIST. TOP OF WALL ELEVATION
	EXIST. BOTTOM OF WALL ELEVATION
	DOOR SILL ELEVATION
	FINISH FLOOR ELEVATION
	APPROX. LOCATION U.G. GAS LINE PER UTILITY MARKOUT
	APPROX. LOCATION U.G. ELECTRIC LINE PER UTILITY MARKOUT
	OVERHEAD WIRES
	AREA LIGHT
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	GUY ANCHOR
	INLET
	MANHOLE
	SIGN
	WATER VALVE
	GAS VALVE
	BOLLARD
	PARKING SPACE CURB
	HANDICAP PARKING SPACE
	MONITORING WELL
	DENOTES TREE & TRUNK DIAMETER
	SPOT LIGHT
	METAL COVER
	STEEL FACED CONC. CURB
	DEPRESSED CURB
	EDGE OF PAVEMENT
	LANDSCAPED AREA
	CHAIN LINK FENCE
	CONCRETE CURB
	NO PIPE VISIBLE
	FLAG POLE
	BOTTOM OF STRUCTURE
	ELECTRIC BOX
	ELECTRIC METER
	CONCRETE WALK
	GRATE
	INVERT
	MAIL BOX
	MANHOLE
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	AIR-CONDITIONING UNIT
	PIPE SIZE UNKNOWN
	DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE



- NOTES:**
- PROPERTY KNOWN AND DESIGNATED AS LOT 6, BLOCK 1, MAP 16.07 ON THE OFFICIAL TAX MAP FOR THE TOWN OF YORKTOWN, WESTCHESTER COUNTY, NEW YORK, DATE OF LAST REVISION JULY, 2013.
 - AREA = 28,297 S.F. OR 0.6496 AC.
 - LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON PRIOR UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
 - THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE COMMITMENT REPORT AND IS SUBJECT TO THE COVENANTS, RESTRICTIONS AND EASEMENTS THAT MAY BE CONTAINED THEREIN.
 - ELEVATIONS ARE BASED UPON NAVD 88.
 - BY GRAPHIC PLOTTING, PROPERTY IS PREDOMINANTLY LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND PARTIALLY LOCATED IN FLOOD HAZARD ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE) PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NO. 36119C0029F, EFFECTIVE DATE: 9/28/2007, OBTAINED FROM FEMA NFHL WEB SERVICE ON 2/17/2020.
 - UNDERGROUND TANK LOCATIONS ARE BASED UPON INFORMATION PROVIDED BY STATION PERSONNEL AND HAVE NOT BEEN VERIFIED BY THE SURVEYOR.

- REFERENCES:**
- SUBDIVISION OF PROPERTY PREPARED FOR LASZLO PINGICZER SITUATE IN THE TOWN OF YORKTOWN, WESTCHESTER CO., N.Y., PREPARED BY DONALD J. DONNELLY, L.S., LAST REVISED JUNE 18, 1985, FILED IN THE OFFICE OF THE COUNTY CLERK OF WESTCHESTER ON FEBRUARY 10, 1987 AS MAP #22626.
 - RECORD PLANS, RECONSTRUCTION ON TACONIC STATE PARKWAY, STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION, CONTRACT #D254345, DATED 5/29/92, SHEET 09 OF 212.
 - RECORD PLANS, PLANS FOR IMPROVING A PORTION OF THE PEEKSKILL-PUTNAM COUNTY LINE, S.H. 1309, CONTRACT D95327, DATED OCTOBER 31, 1977, SHEET 10 OF 23.
 - MOUNDROUKAS SITE PLAN, TOWN OF YORKTOWN, WESTCHESTER CO., NEW YORK, PREPARED JACK GOLDSTEIN, P.E., DATED DECEMBER 22, 1995, LAST REVISED JULY 1, 1997, SHEET 5-1.
 - ALTIA/CSM LAND TITLE SURVEY, 930 EAST MAIN STREET, SHRUB OAK, N.Y., PREPARED BY LMS SURVEYING, LTD. COORDINATED BY FIRST AMERICAN PROFESSIONAL LAND SERVICES, DATED 03/26/2009, PROJ. #09-01-028:010.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

BOUNDARY & TOPOGRAPHIC SURVEY
LOT 6, BLOCK 1, MAP 16.07
930 EAST MAIN STREET
HAMLET OF SHRUB OAK, TOWN OF YORKTOWN
COUNTY OF WESTCHESTER
STATE OF NEW YORK

GALLAS SURVEYING GROUP
2865 US ROUTE 1
NORTH BRUNSWICK, NJ 08902
TEL: 732-422-6700
FAX: 732-544-8786
www.gallasurvey.com

DATE	SCALE	DRAWN:	CHECKED:
03-25-2020	1"=20'	R.S.E.	J.R.T./C.J.O.
FIELD DATE	FIELD BOOK	PAGE	FIELD CREW
03-06-2020	129	126	K.C./J.O.D.
FILE NO.:	DRAWING NAME/SHEET NO.		
G20052	G20052.DWG 1 OF 1		

NOT VALID UNLESS EMBOSSED WITH RAISED IMPRESSION OR BLUE INK SEAL

GREGORY S. GALLAS DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #50124

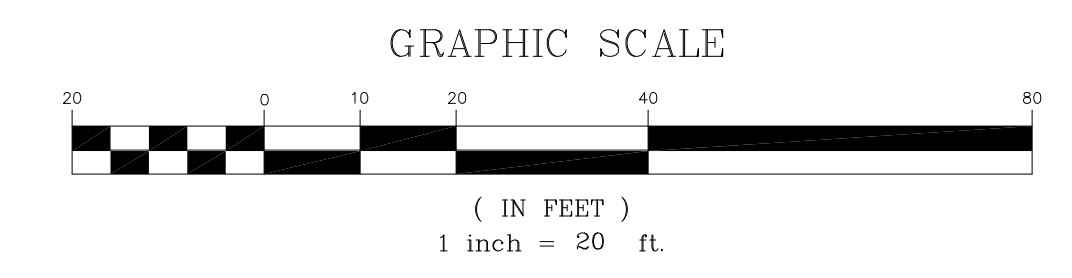
UTILITIES:
THE FOLLOWING COMPANIES WERE NOTIFIED BY NEW YORK STATE ONE-CALL SYSTEM (1-800-962-7962) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST. SERIAL NUMBER(S): 02130-547-044-00

UTILITY COMPANY	PHONE NUMBER
ALICE USA	800-262-8600
CONSOLIDATED EDISON COMPANY OF NY	800-762-0592
FIRSTLIGHT FIBER	800-262-8600
NYSEG BREWSTER ELECTRIC	800-262-8600
TOWN OF YORKTOWN ENGINEERING	914-962-5722
VERIZON I VALHALLA WESTCHESTER WESTCHESTER COUNTY	855-226-9564 914-813-5419



THE STATE OF NEW YORK REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

NOT ALL UTILITY COMPANIES RESPONDED TO THE MARKOUT REQUEST.



TB Referral
3451 Crompond Rd

Diane Dreier Co-Chair
Phyllis Bock Co-Chair

Matthew Slater
Town Supervisor

**TOWN OF YORKTOWN
CONSERVATION BOARD**

Town of Yorktown Town Hall, 363 Underhill Avenue, Yorktown Heights, New York 10598, Phone (914) 962-5722

MEMORANDUM

RECEIVED
PLANNING DEPARTMENT

MAR 7 - 2022

TOWN OF YORKTOWN

To: Town Board

From: Conservation Board

Date: March 4, 2022

Re: 3451 Crompond Road Special Use Permit Gas Station

The Conservation Board at its March 2, 2022 meeting discussed a special use permit application for a gas station located at 3451 Crompond Road with Vincent Franceschelli. The Conservation Board has the following comments:

- The Conservation Board would like the applicant to address how the wetland and stream will be protected during the replacement of underground fuel pumps and site improvements.
- Applicant should return to the Board for review.

Respectfully submitted:

Diane Dreier

For the Conservation Board

CC: Town Board
Planning Board
Supervisors Office
Engineering Dept.
Applicant

TOWN OF YORKTOWN TOWN BOARD

Resolved, the Town Clerk is authorized to refer out to appropriate agencies for their review and/or recommendation an application for a Special Use Permit for a gas station located at 3451 Crompond Road, Yorktown, NY for a site plan amendment.

Further Resolved, the Town Board declares its intent to act as Lead Agency. We are transmitting the following referral for your review and recommendations and ask that you respond back to the Town Clerk by March 11, 2022.

TO:

- | | | | |
|-------------------------------------|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> | File | <input checked="" type="checkbox"/> | Westchester County |
| <input checked="" type="checkbox"/> | Town Clerk | <input type="checkbox"/> | Planning Department / Board |
| <input checked="" type="checkbox"/> | ABACA | <input type="checkbox"/> | Dept. of Public Works |
| <input checked="" type="checkbox"/> | Building Inspector | <input type="checkbox"/> | Dept. of Health |
| <input type="checkbox"/> | Community Housing Board | <input type="checkbox"/> | Parks & Recreation |
| <input checked="" type="checkbox"/> | Conservation Board | <input type="checkbox"/> | Environmental Facilities |
| <input type="checkbox"/> | Fire: | <input type="checkbox"/> | Soil & Water |
| | <input checked="" type="checkbox"/> Lake Mohegan | | New York State |
| | <input type="checkbox"/> Yorktown | <input checked="" type="checkbox"/> | DEC Albany |
| <input checked="" type="checkbox"/> | Highway Dept. | <input checked="" type="checkbox"/> | DEC New Paltz (Region III) |
| <input type="checkbox"/> | Open Space Committee | <input checked="" type="checkbox"/> | DOT |
| <input checked="" type="checkbox"/> | Planning Dept. / Board (6) | <input type="checkbox"/> | Parks & Recreation |
| <input checked="" type="checkbox"/> | Police Dept. | | <input checked="" type="checkbox"/> NYC DEP |
| <input type="checkbox"/> | Public Safety Committee | | <input type="checkbox"/> Army Corp. of Engineers |
| <input type="checkbox"/> | Recreation Commission | | Bordering Municipality |
| <input type="checkbox"/> | School District: | | <input type="checkbox"/> Town of Cortlandt |
| | <input type="checkbox"/> Yorktown | | <input type="checkbox"/> Town of Ossining |
| | <input type="checkbox"/> Lakeland | | <input type="checkbox"/> Town of Somers |
| <input checked="" type="checkbox"/> | Town Attorney | | <input type="checkbox"/> Town of Putnam Valley |
| <input checked="" type="checkbox"/> | Town Board | | <input type="checkbox"/> Yorktown Chamber of Commerce |
| <input checked="" type="checkbox"/> | Town Engineer | | <input type="checkbox"/> Other |
| <input checked="" type="checkbox"/> | Tree Conservation Advisory Committee | | <input checked="" type="checkbox"/> Other – CSC Task Force |
| <input checked="" type="checkbox"/> | Water Department | | |
| <input type="checkbox"/> | Wetlands Inspector | | |
| <input type="checkbox"/> | Yorktown Land Trust | | |

FROM: DIANA L. QUAST, YORKTOWN TOWN CLERK, CERTIFIED MUNICIPAL CLERK

SUBJECT: **We are transmitting the following:** Application and plans for Special Use Permit for gas station located at 3451 Crompond Road, Yorktown, NY.

DATE: February 23, 2022

- | | | | |
|-------------------------------------|----------------------|--------------------------|-----------------------------|
| <input checked="" type="checkbox"/> | Application/Petition | <input type="checkbox"/> | Report |
| <input checked="" type="checkbox"/> | Drawings | <input type="checkbox"/> | Wetlands Permit Application |
| <input type="checkbox"/> | EAF | <input type="checkbox"/> | SEQRA Scope |
| <input type="checkbox"/> | EAF Addendum | <input type="checkbox"/> | Other – Proposed Local Law |

FOR YOUR: Information Review Comment

Diana L. Quast, Town Clerk
dquast@yorktownny.org



Registrar of Vital Statistics
Telephone: (914) 962-5722 x 208
Fax: (914) 962 6591

TOWN OF YORKTOWN
363 Underhill Avenue, P.O. Box 703
Yorktown Heights, NY 10598

MEMORANDUM

DATE: February 7, 2022
TO: Town Board
FROM: Diana L. Quast, Town Clerk
RE: 3451 Crompond Road – Special Use Permit (Gasoline Station)

Attached please find copies of application and plans for your review of the above-mentioned project that have been filed with the Town Clerk's Office. Please schedule for an upcoming work session.

cc: J. Bellacastro
A. Rodriguez

/attachment

Project Narrative

Date: 3/10/2022
TO: Town of Yorktown
RE: Gulf Fuel System Replacement
3451 Crompond Road

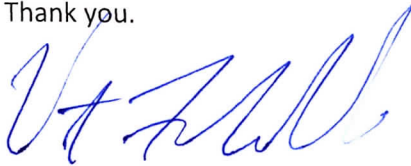
To Whom It May Concern,

We are proposing replacement of the fuel system equipment at the subject location. This includes removing and replacing the fuel dispensers, the underground storage tanks, pumps and piping, and all associated site work. We will also be adding a new fuel canopy as well. Please see below for specifics of new equipment.

- (1) NEW GILBARCO 3+0 DISPENSERS
- (2) NEW GILBARCO 3+1 DISPENSERS FOR DIESEL
- (1) 10' DIA. 15K GAL. DW FIBERGLASS UST FOR UNLEADED FUEL
- (1) 10' DIA. 15K GAL. SPLIT DW FIBERGLASS UST - 8K DIESEL/7K PREMIUM
- (3) 1.5 hp FIXED SPEED STP FOR DIESEL
- (3) ATG's (1 PER STP SUMP)
- (3) PRODUCT FILL BUCKETS (1 EACH UST)
- 1.5" FLEX PIPING IN 4" CHASE PIPING FOR RUL, PUL AND DIESEL FUELS
- 2" SW FRP VENT PIPING (UST's TO REMOTE VENT SUMP)
- (1) NEW BRAVO VENT BOX FOR RUL, PUL AND DIESEL
- (1) NEW 36'-0" X 43'-0" FUELING CANOPY FOR THREE (3) DISPENSERS

The canopy will have color and signage per the attached brandbook. The pylon sign will also be replaced per the attached brandbook. Please also see the brandbook for color renderings of the proposed dispensers. No work is proposed to the existing building or building signage. Please see the attached brandbook and construction drawings for complete details of the proposed work. Please let me know if you have any questions. I can be reached at 330.201.8228.

Thank you.



Vincent Franceschelli
Sevan Multi-Site Solutions
40 Oakview Crossing
Canfield, OH 44406
P: 330.201.8228

Vincent.franceschelli@sevansolutions.com



FEB 03 2022

TOWN OF YORKTOWN
APPLICATION FOR SPECIAL USE PERMIT
GASOLINE STATIONS

Diana L. Quast, Town Clerk
Town of Yorktown, New York

Dated: 1/28/2022

TO: TOWN BOARD
c/o TOWN CLERK
363 UNDERHILL AVENUE
YORKTOWN, NY 10598

The undersigned, as owner of certain premises located on the south side of
Crompond Road and known as Section _____, Parcel 36.06-1-25,
Lot _____ on the Tax Map of the Town of Yorktown, does hereby make application for a
Special Use Permit:

- Canopy
- Convenience Store
- Truck Rental
- Car Wash
- Sign

In the event the Permit is issued, the applicant will comply with all the requirements of the Zoning Ordinance and the Building Department Ordinance of the Town of Yorktown and with the requirements of any other local laws or ordinances, laws, rules, and regulations of any Federal, State, and County Government, bureau or department thereof having jurisdiction over said premises and the business to be conducted there at, in addition to such terms or conditions as may be imposed by the Town Board.

Attached hereto is one (1) paper copy of the plot plan of the area, prepared by Core States Group and dated 08/24/2021, and building plans prepared by Core States Group and dated 08/24/2021, all of which are made part of this application, together with the required fee of \$1,500.00. One (1) electronic copy of plot plan and building plans is to be emailed to the Town Clerk at dquast@yorktownny.org. Additional copies of said plans may be requested at a later date.

Applicant

Vincent Franceschelli

Address
40 Oakview Crossing, Canfield, OH 44406

330.286.3902

Phone Number

Application received on the _____ day of _____, 20____.

Fee of \$1,500.00 received on the _____ day of _____, 20____.



TANK AND LINE
 NEW CANOPY
 NEW DISPENSERS
 BUILDING AND MID TO REMAIN AS IS

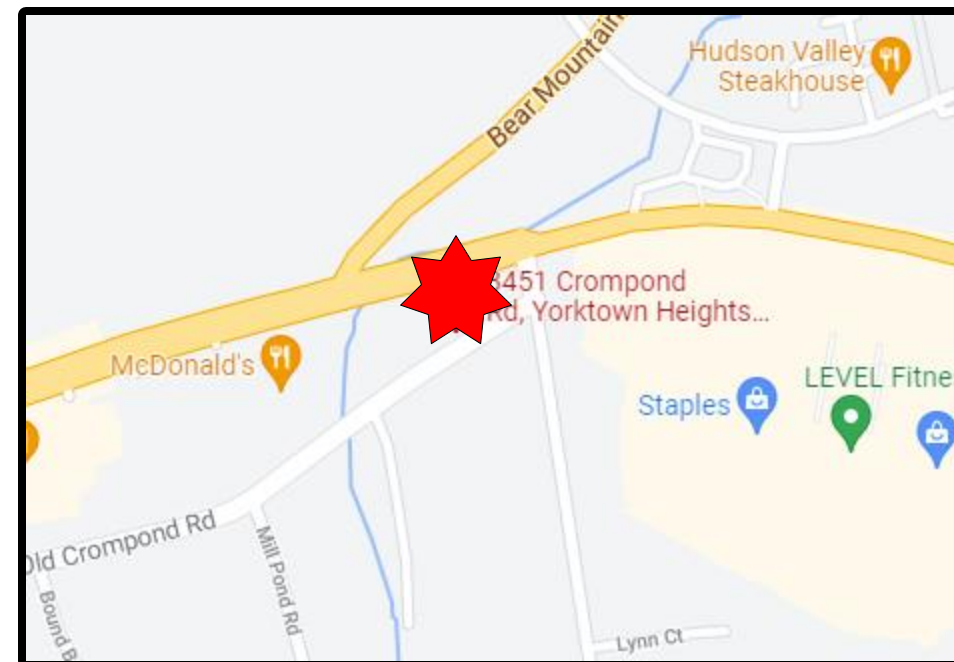
PROJECT LOCATION

7 ELEVEN #38912
 3451 Crompond Rd
 Yorktown Heights, NY 10598

SITE SCOPE SUMMARY

NEW CANOPY
 DISPENSERS – NEW
 NEW MID

Vicinity Map



BRAND CONVERSION SCOPE OVERVIEW

1. NEW CANOPY
2. NEW DISPENSERS
3. NEW MID

DRAWING LIST

- COVER
- SP-1 (SITE PLAN)
- B-1 (BUILDING SIGN)
- S-1 (MAIN ID SIGN)
- GC-1 (GAS CANOPY IMAGE)
- D-1 (DISPENSER DETAIL)
- MAT-1 (MATERIALS)
- P-1 (PAINT SPECS)

FACILITY INFORMATION

7 ELEVEN #38912
 3451 Crompond Rd
 Yorktown Heights, NY 10598

PERMITTING INFORMATION

Jurisdiction:
 Yorktown

Zoning Classification:
 C4 – Commercial General

Parcel ID:
 36.06-1-25

Sheet:
 COVER

Drawing Set Revision:
 R0



LSI Graphic Solutions
 9260 Pleasantwood Ave. NW
 North Canton, OH 44720
 (330) 494-8515

Project: TANK & LINE

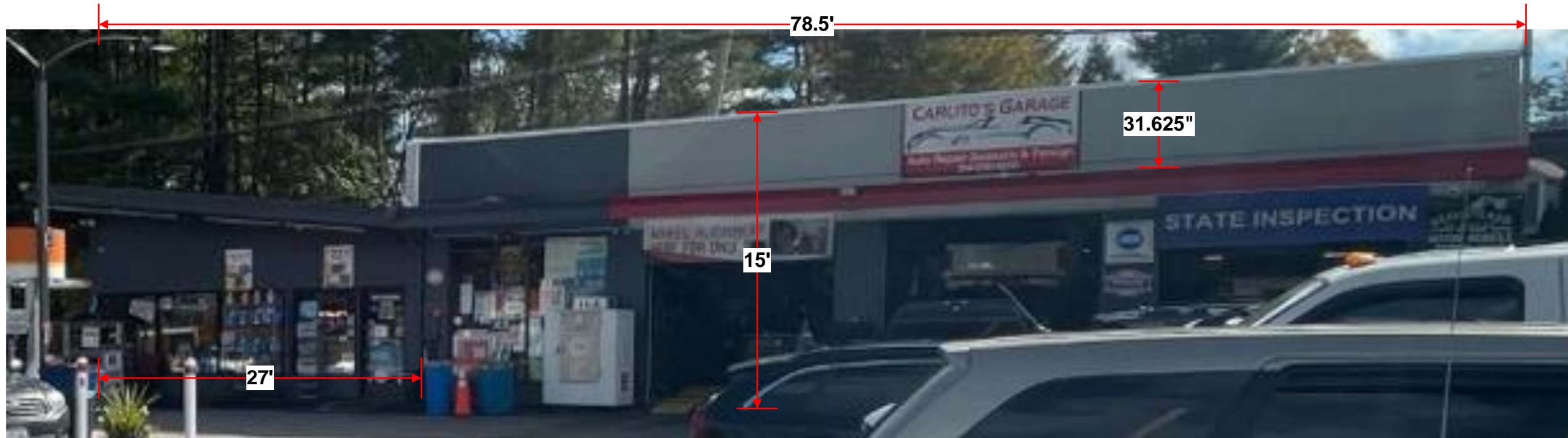
Drawn By: Vandy Linhart
Review By: Kevin Sommer

Date: 10/29/21

Approved By Wassie Lind
Date: 12/3/21

NO SCOPE OF WORK

EXISTING BUILDING SIGN – NORTH WEST

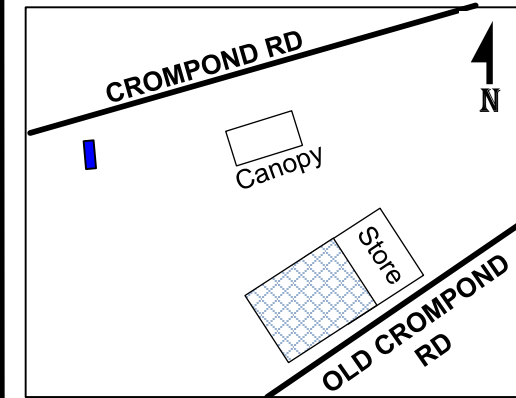


BRAND CONVERSION DETAILS

JURISDICTION REQUIREMENTS

SQUARE FOOTAGE ALLOWANCE
NUMBER OF SIGNS ON BUILDING
HOW MEASURED

SIGN LOCATION MAP



FACILITY INFORMATION

7 ELEVEN #38912
3451 Crompond Rd
Yorktown Heights, NY 10598

Sheet:
B-1 (BUILDING SIGN)

Sheet Revision:
R0



LSI Graphic Solutions
9260 Pleasantwood Ave. NW
North Canton, OH 44720
(330) 494-8515

EXISTING MAIN ID SIGN (32 SF)

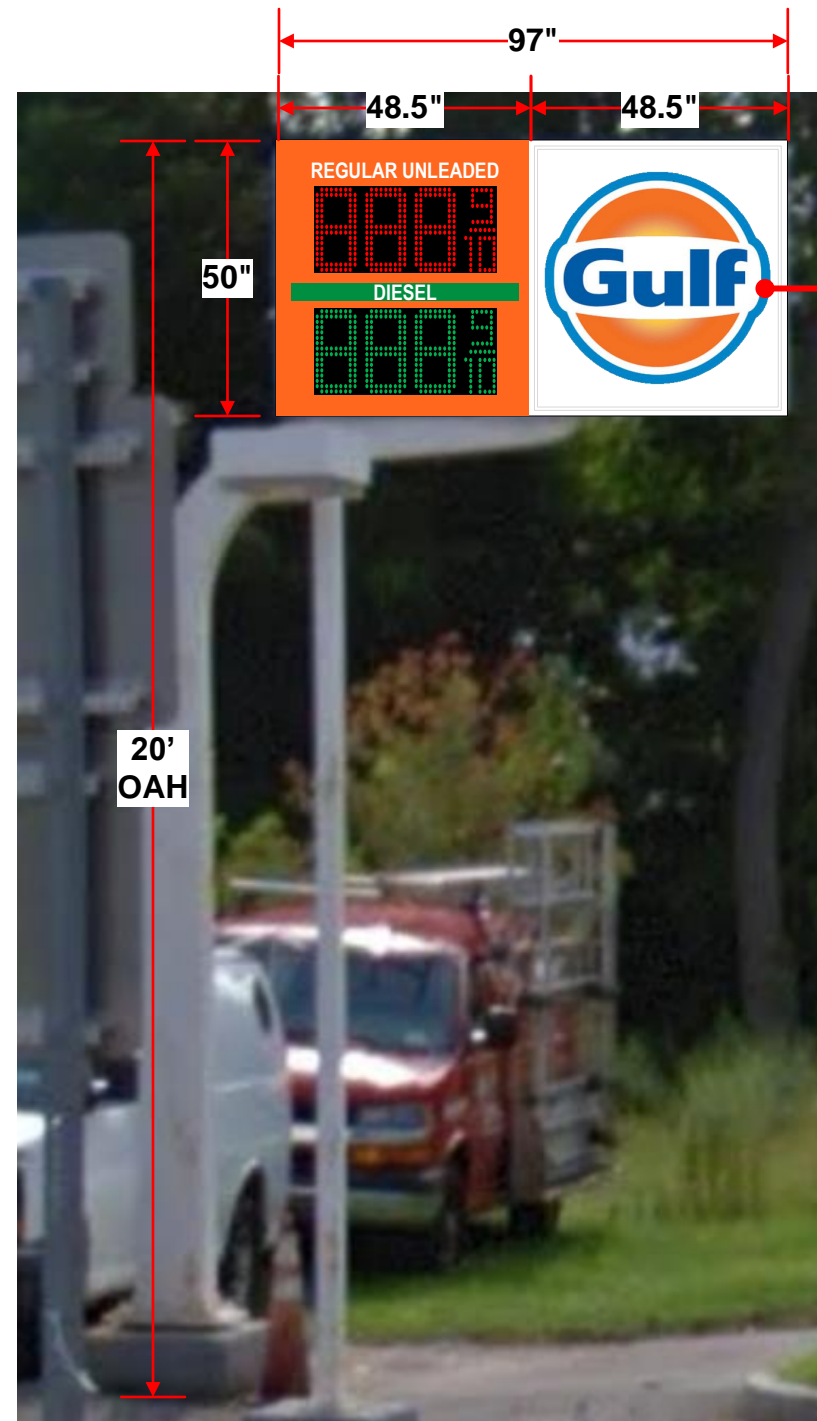
Gulf Cabinet = 48" x 48" = 16 SF
Price Cabinet = 48" x 48" = 16 SF



REFACE EXISTING CABINET

B PROPOSED MAIN ID SIGN (32 SF)

Gulf Cabinet = 48" x 48" = 16 SF
Price Cabinet = 48" x 48" = 16 SF



NEW CABINET WITH NEW GULF FACES AND PRICE FACES WITH PWM 12" PRICE DIGITS

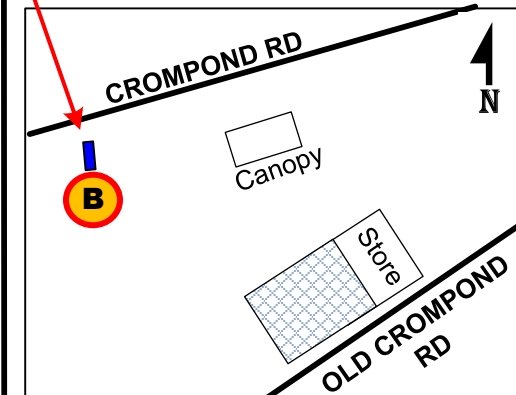
SIGN SCOPE

1. REFACE EXISTING CABINETS AS SHOWN
2. PAINT CABINET, RETAINERS AND POLE AS SHOWN

JURISDICTION REQUIREMENTS

The maximum height of the top of a freestanding sign shall be 16 feet. The maximum area for each such sign shall be 30 square feet for each sign face, with a maximum aggregate area of 60 square feet for all identifying signs.

SIGN LOCATION MAP
EXISTING MAIN ID SIGN



FACILITY INFORMATION

7 ELEVEN #38912
3451 Crompond Rd
Yorktown Heights, NY 10598

Sheet:
S-1 (MAIN ID SIGN)

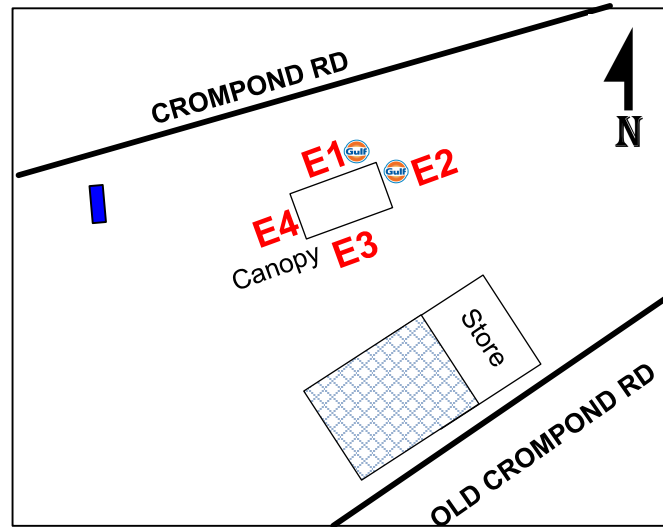
Sheet Revision:
R0



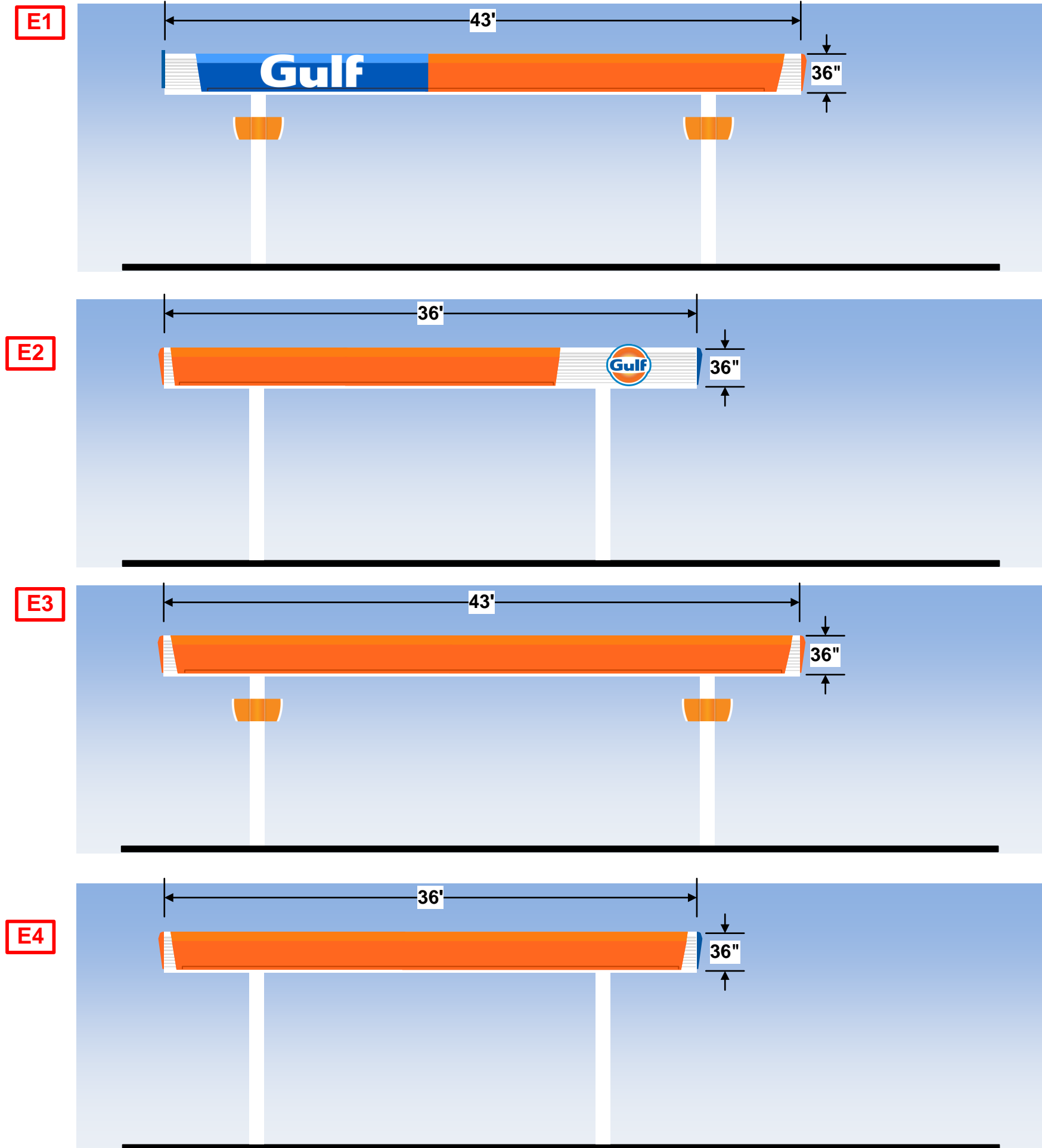
LSI Graphic Solutions
9260 Pleasantwood Ave. NW
North Canton, OH 44720
(330) 494-8515

ORIENTATION MAP

ELEVATIONS 1 through 4



THERE IS NO CANOPY ON SITE



CANOPY SIGN DETAILS

E1

(1) ILLUMINATED WORDMARK
91" X 32.12" = 20.2 SF

E2

(1) GULF DISC LOGO per elevation
36.77" X 39" = 9.9 SF

JURISDICTION REQUIREMENTS

A gasoline filling station canopy may have signage on no more than two sides. Canopy signs shall be limited to an aggregate of 30 square feet in area. no external lighting on the fascia of a canopy; all canopy lights shall be directed downward.

FACILITY INFORMATION

7 ELEVEN #38912
3451 Crompond Rd
Yorktown Heights, NY 10598

Sheet:

GC-1 (GAS CANOPY IMAGE)

Sheet Revision:

R0



LSI Graphic Solutions
9260 Pleasantwood Ave. NW
North Canton, OH 44720
(330) 494-8515

**BRAND CONVERSION
DETAILS**

1. (1) NEW GILBARCO 3+0 DISPENSERS TO BE INSTALLED BY OTHERS (AUTHORIZED SERVICE CONTRACTOR)
2. (2) NEW GILBARCO 3+1 DISPENSERS TO BE INSTALLED BY OTHERS (AUTHORIZED SERVICE CONTRACTOR)
3. ALL DECALS, VALANCES, PUMP TOP PRICE SIGNS, FIRE EXTINGUISHERS, WARNING SIGNS, ETC TO BE SUPPLIED BY OTHERS AND INSTALLED BY OTHERS.

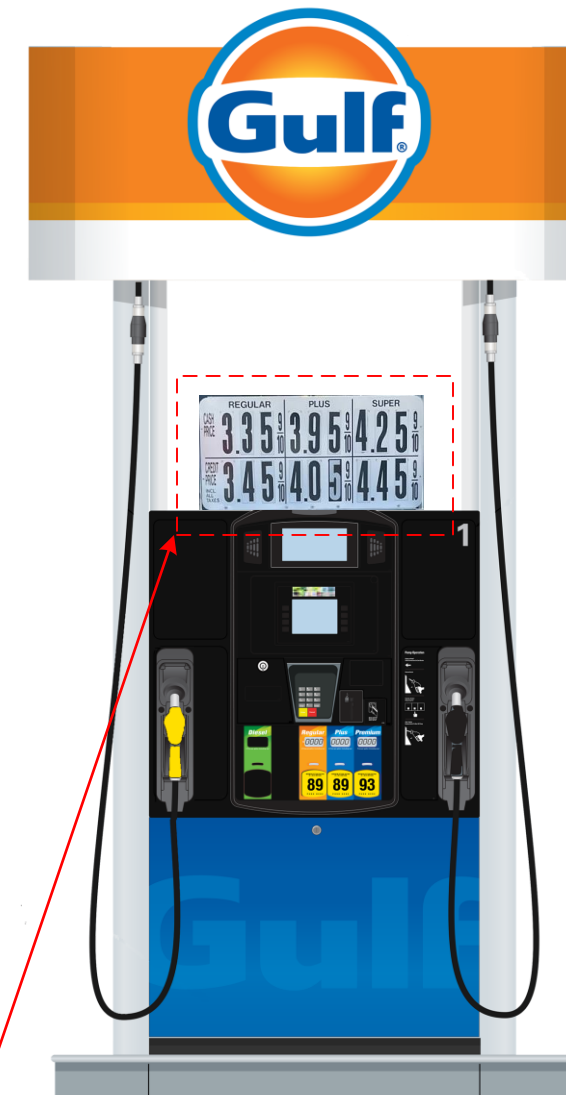
**EXISTING
QTY (3) – 3+0**



**PROPOSED
QTY (1) – 3+0**



**PROPOSED
QTY (2) – 3+1**



**INSTALL NEW
DISPENSER TOP
PRICERS ON
NEW PUMPS**

FACILITY INFORMATION

7 ELEVEN #38912
3451 Crompond Rd
Yorktown Heights, NY 10598

Sheet:
D-1 (DISPENSER DETAIL)

Sheet Revision:
R0



LSI Graphic Solutions
9260 Pleasantwood Ave. NW
North Canton, OH 44720
(330) 494-8515

PAINTING DETAILS



01 - Gulf Orange

Forecourt: Fascia Component, Dispenser Valance



05 - Gulf Yellow

Forecourt: Fascia Component, Dispenser Valance



02 - Gulf Blue

Forecourt: Fascia Component, Dispenser Valance, Dispenser Skirt



06 - Gulf Light Gray

Forecourt: Canopy Fascia Lines



03 - Gulf Light Blue

Forecourt: Dispenser Skirt, Bollard



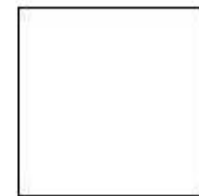
07 - Gulf Dark Gray

Forecourt: Curb Paint



04 - Gulf White

Forecourt: Columns, Fascia Component, Dispenser Valance



08 - White ACM

Forecourt: Fascia of Canopy

FACILITY INFORMATION

7 ELEVEN #38912
3451 Crompond Rd
Yorktown Heights, NY 10598

Sheet:
P-1 (PAINT SPECS)
Sheet Revision:
R0



LSI Graphic Solutions
9260 Pleasantwood Ave. NW
North Canton, OH 44720
(330) 494-8515

REVISION LOG

R0	8/20/21	ORIGINAL SUBMITTAL



7-ELEVEN

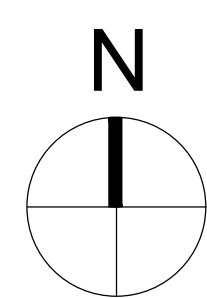
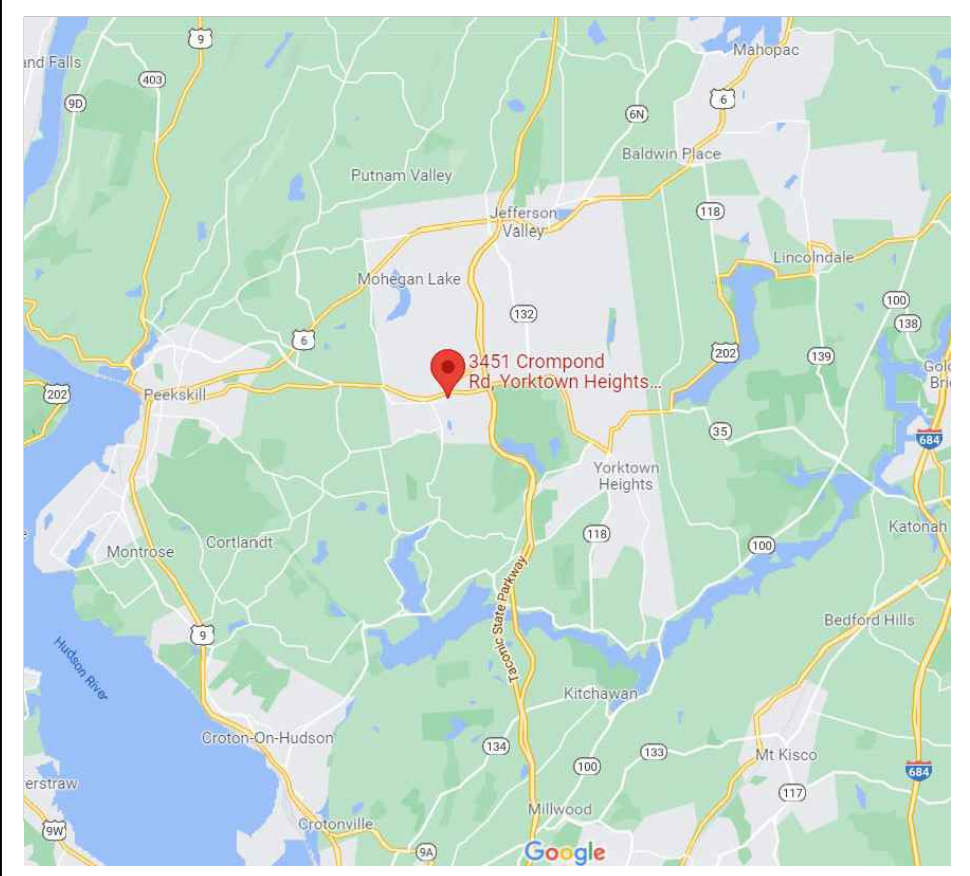
EXISTING STORE W/ FUELING REMODEL
STORE NO. 38912
3451 Crompond Road
Yorktown Heights, NY 10598

SHEET INDEX

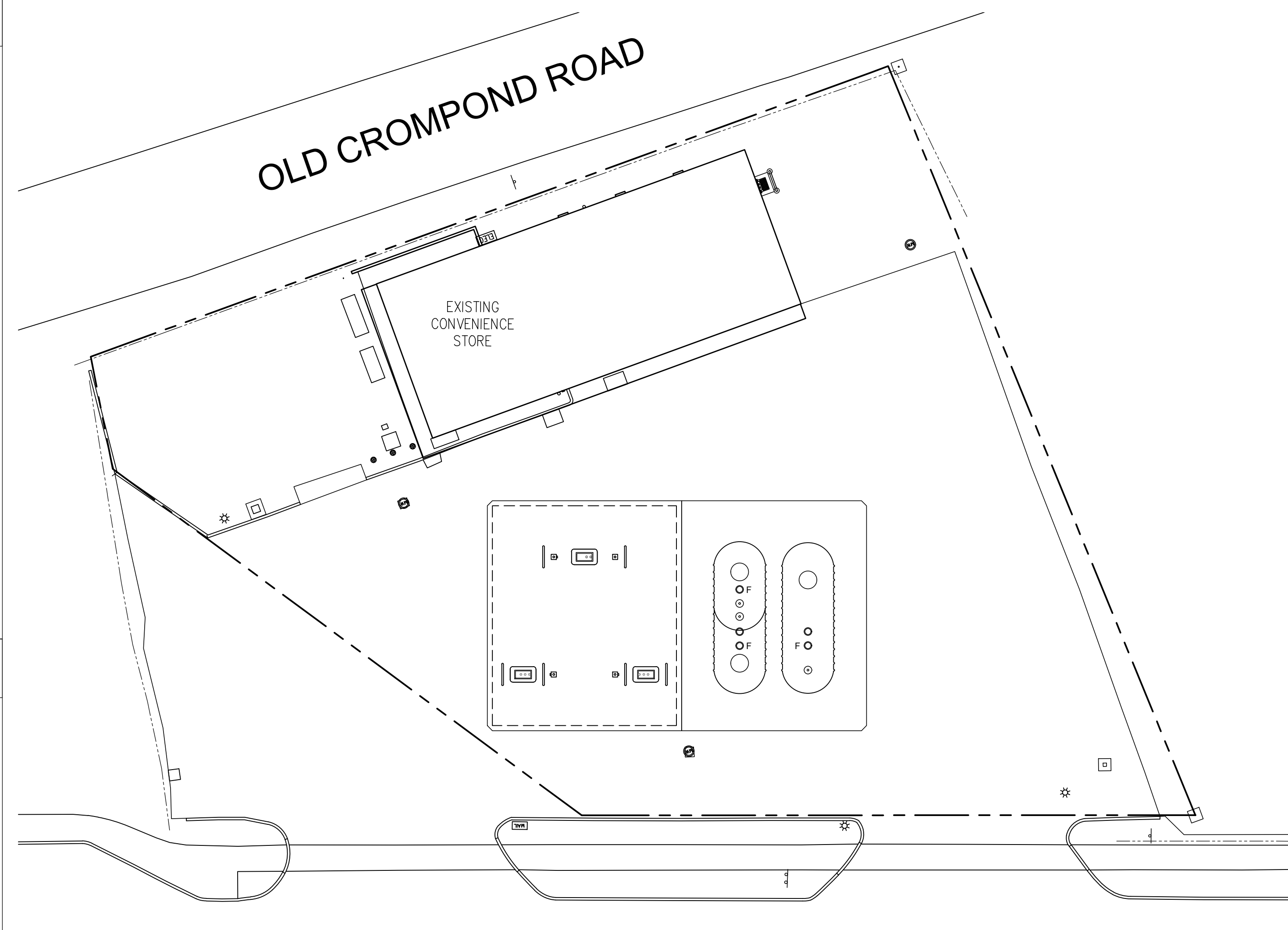
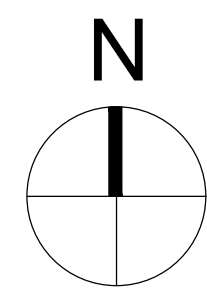
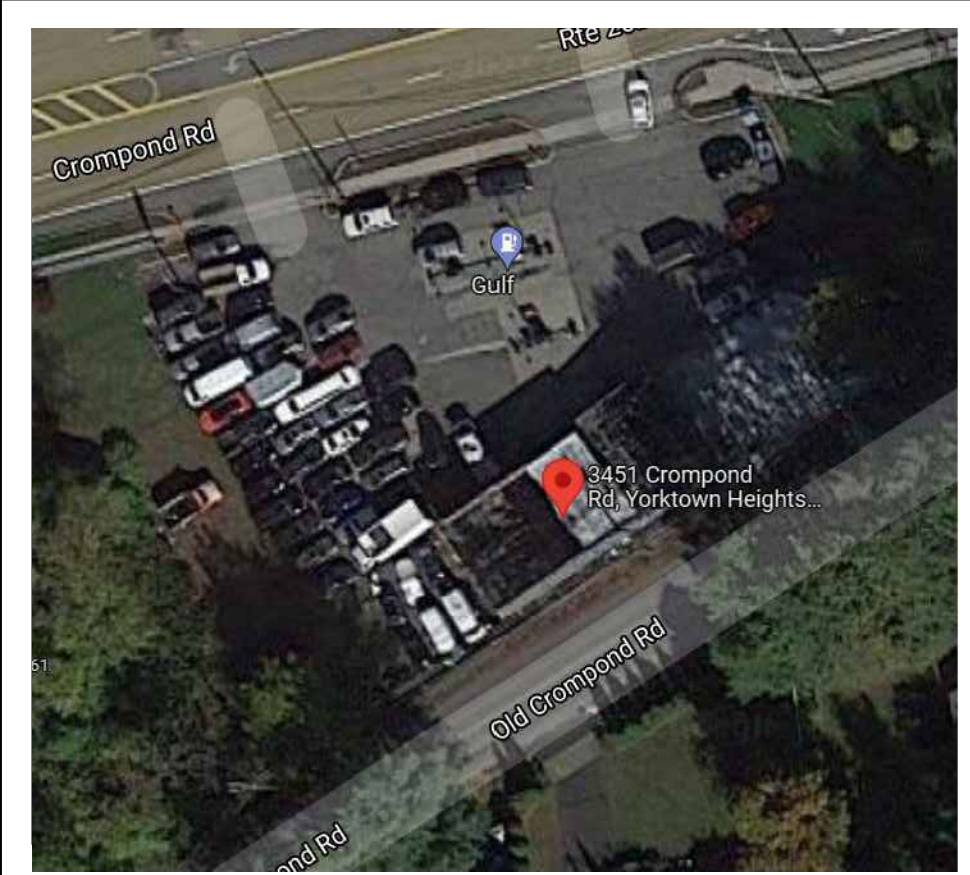
FUELING CANOPY AND UNDERGROUND STORAGE TANKS		
Description	Date	
G0.0	FUELING CANOPY COVER SHEET AND INDEX	
G0.1	FUELING ARCHITECTURAL SITE PLAN	
G0.2	FUELING TRUCK ROUTE	
G0.3	FUELING DEMOLITION PLAN	
G1.0	FUELING PIPING AND TANK PLAN	
G2.0	NOT USED	
G3.0	TANK SECTIONS	
G4.0	TANK SUMP DETAILS - SINGLE OUTPUT	
G4.1	TANK SUMP DETAILS	
G5.0	DISPENSER AND SUMP DETAILS	
G6.0	REMOTE VENT AND DETAILS	
G6.1	FUELING DIMENSIONAL PLAN	
G7.0	EQUIPMENT SCHEDULES	
G7.1	EQUIPMENT SCHEDULES	
G8.0	FUELING CANOPY LAYOUT - 3 STACKED	
G8.1	SIGNAGE DETAILS	
G9.0	UST ELECTRICAL PLAN, ONE-LINE DIAGRAM AND PANEL SCHEDULE	
G9.1	N.E.C. CLASSIFIED AREA	
G10.0	MISCELLANEOUS ELECTRICAL DETAILS	
G11.0	ISOLATION RELAY BOX DETAIL	
G12.0	SITE MONITORING EQUIPMENT DIAGRAM	
G13.0	FUELING SPECIFICATIONS	
G14.0	FUELING SPECIFICATIONS	
G15.0	FUELING SPECIFICATIONS	
G16.0	FUELING SPECIFICATIONS	
G17.0	FUELING SPECIFICATIONS	

Rev. #	Date	Description
		Proto 12-01-2020
		7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063
		7-ELEVEN #38912 3451 CROMPOND ROAD YORKTOWN HEIGHTS, NEW YORK 10598
		FUELING CANOPY COVER SHEET AND INDEX

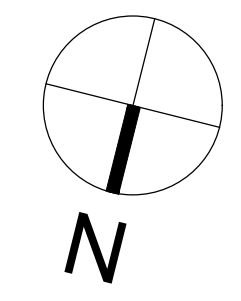
VICINITY MAP



SITE LOCATION MAP



U.S. ROUTE 202



PROJECT DATA

2020 BUILDING CODE OF NEW YORK STATE
 2020 MECHANICAL CODE OF NEW YORK STATE
 2020 PLUMBING CODE OF NEW YORK STATE
 2020 ENERGY CONSERVATION CONSTRUCTION CODE
 2020 NATIONAL ELECTRICAL CODE (NEC)
 2020 FIRE CODE OF NEW YORK STATE
 2020 FUEL GAS CODE OF NEW YORK STATE

 NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE-2015 EDITION
 NFPA 30A CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES-2015 EDITION
 NFPA 1 UNIFORM FIRE CODE HANDBOOK

SUMMARY OF WORK

- GRADING AND SITEWORK
 - ASSOCIATED UNDERGROUND TANKS AND PIPING.
 - FUELING STATION DESCRIPTION:
 (1) NEW GILBARCO 3+0 DISPENSERS
 (2) NEW GILBARCO 3+1 DISPENSERS FOR DIESEL
 (1) 10' DIA. 15K GAL. DW FIBERGLASS UST FOR UNLEADED FUEL
 (1) 10' DIA. 15K GAL. SPLIT DW FIBERGLASS UST - 8K DIESEL/7K PREMIUM
 (3) 1.5 hp FIXED SPEED STP FOR DIESEL
 (3) ATG'S (1 PER STP/SUMP)
 (3) PRODUCT FILL BUCKETS (1 EACH UST)
 1.5" FLEX PIPING IN 4" CHASE PIPING FOR RUL, PUL AND DIESEL FUELS
 2" SW FRP VENT PIPING (UST'S TO REMOTE VENT SUMP)
 (1) NEW BRAVO VENT BOX FOR RUL, PUL AND DIESEL
 (1) NEW 36'-0" X 43'-0" FUELING CANOPY FOR THREE (3) DISPENSERS

PROJECT DIRECTORY

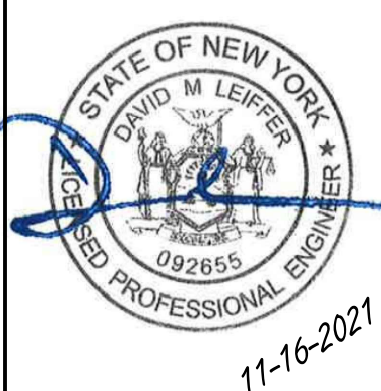
OWNER: 7-ELEVEN INC
 3200 HACKBERRY ROAD
 IRVING, TX 75063

 MEP ENGINEER: CORE STATES GROUP
 1700 INDUSTRIAL DRIVE, SUITE B
 ROGERS, AR 72756
 CONTACT: DAVID LEIFFER
 479.986.4400
 EMAIL: DLEIFFER@CORE-STATES.COM

REFERENCE SYMBOLS

- | | | | |
|--|------------------------------|--|-------------------------------------|
| | - NORTH ARROW | | XXXXXXXXXX - ROOM TAG |
| | - HEIGHT ELEVATION INDICATOR | | - REVISION DELTA |
| | - DOOR TAG | | - SPOT ELEVATION INDICATOR |
| | - ENLARGED DETAIL INDICATOR | | - KEY NOTE INDICATOR |
| | - GRID LINE INDICATOR | | - FINISH INDICATOR |
| | - WINDOW TAG | | - SECTION CUT INDICATOR |
| | - WALL TAG | | - ELEVATION INDICATOR |
| | | | - EQUIPMENT TAG (FOR LIST REF G7.0) |

CORE STATES GROUP
 ARCHITECTURAL ENGINEERS P.C.
 48 East Main Street
 Somersville, NJ 08876
 CERTIFIED No. 0131379
 CORE-STATES.COM



SHEET: **G0.0**
 FUELING - USA



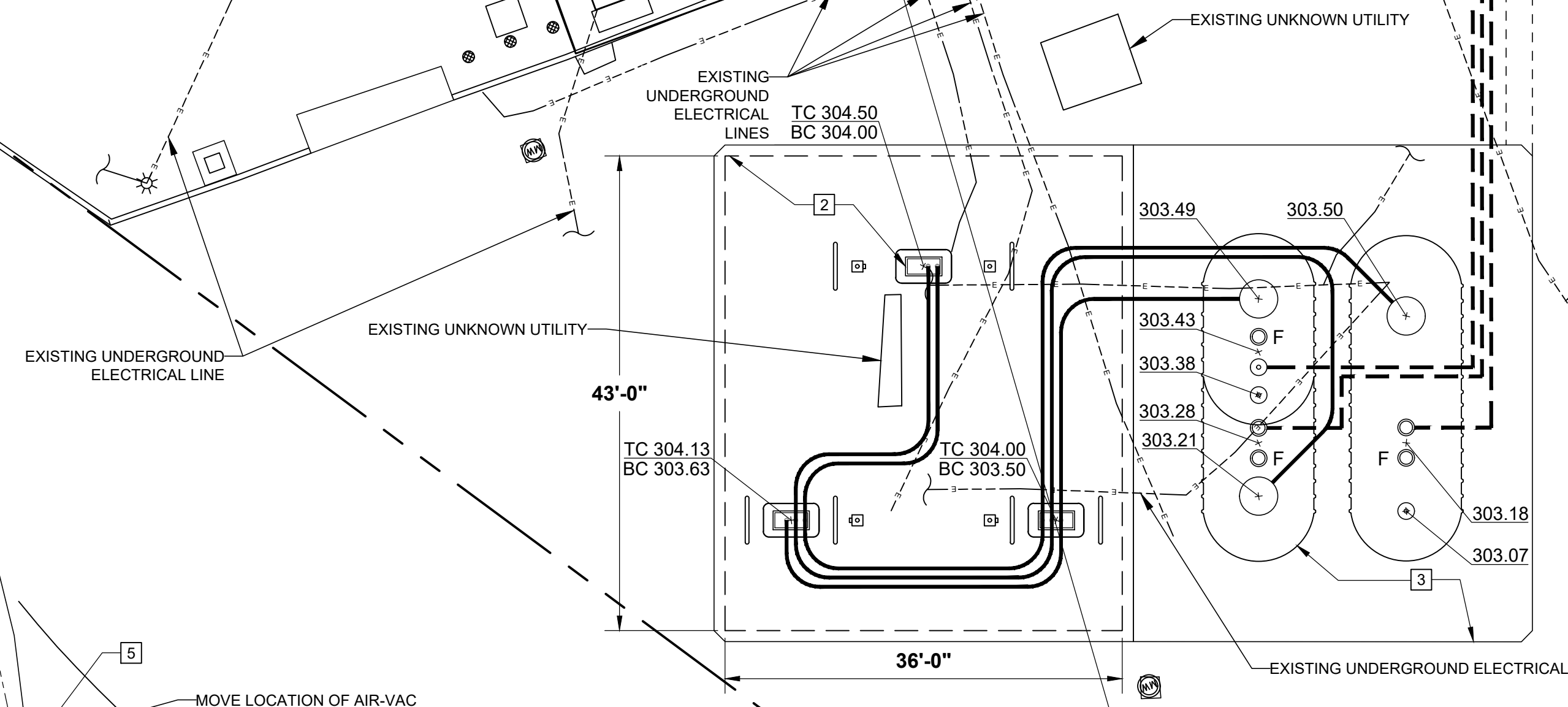
Know what's below. Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON DESIGN DRAWINGS, RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. CORE STATES, INC. DOES NOT GUARANTEE THAT LOCATIONS SHOWN ARE EXACT. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES.

OLD CROMPOUND ROAD

EXISTING CONVENIENCE STORE

FUELING CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING EXISTING ELECTRICAL ROOM, AND RELOCATING CONDUIT TRENCH AS NEEDED. FUELING CONTRACTOR TO PICK UP CONDUITS AND ROUTE TO FINAL TERMINATION AND FOR PULLING WIRE AND MAKING FINAL TERMINATIONS.



MOVE LOCATION OF AIR-VAC MACHINE AS REQUIRED TO BE ON PROPERTY

SCOPE OF WORK

- 1 INSTALL NEW XERXES 15,000 GALLON 10' DIA DOUBLE WALL FIBERGLASS UNDERGROUND STORAGE TANK (UST) FOR REGULAR FUEL.
2 INSTALL NEW XERXES 15,000 GALLON 10' DIA DOUBLE WALL FIBERGLASS UNDERGROUND SPLIT STORAGE TANKS (USTS) FOR 8,000 GALLONS DIESEL AND 7,000 GALLONS PREMIUM FUELS.
3 INSTALL (3) NEW FE PETRO 1.5 HP FIXED SPEED SUBMERSIBLE PUMP WITH INTAKE FILTER FOR RUL, PUL AND DSL FUELS.
4 INSTALL (1) NEW GILBARCO 700S 3+0 DISPENSER AND (2) NEW GILBARCO 700S 3+1 DISPENSERS.
5 INSTALL NEW OPW LOOP SYSTEM FROM NEW UST'S TO NEW DISPENSERS.
6 INSTALL (3) NEW VAPOR/VENT RISERS WITH BRAVO VENT BOX AND BRAVO VAPOR VENT RACK FOR SUPPORT.
7 INSTALL NEW 2" FIBERGLASS PIPING FROM VAPOR/VENT AT UST'S TO NEW REMOTE VENT.
8 INSTALL NEW CONCRETE AT DISTURBED AREAS AT TANK SLAB FOR NEW PIPING PER SEI STANDARDS.
9 INSTALL NEW CONCRETE AT DISTURBED AREAS AT CANOPY SLAB FOR NEW PIPING PER SEI STANDARDS.
10 INSTALL NEW "U" BOLLARDS AT DISPENSERS AND REMOTE VENT TO SEI SPECIFICATIONS (TYP 7).
11 INSTALL (3) NEW INTERCOMS AT ADA COMPLIANT HEIGHT AT CANOPY COLUMNS.
12 INSTALL (2) NEW FIRE EXTINGUISHERS AT ADA COMPLIANT HEIGHT AT CANOPY COLUMNS.
13 INSTALL (3) NEW TRASH CAN/WASH BUCKET COMBO UNITS AT CANOPY COLUMNS.
14 EXISTING MAIN ID SIGN TO REMAIN WITH NEW LED RUL/DSL PRICE SIGN UPGRADE BY OTHERS.
15 PAINT LED SIGNAGE FRAME, POLES, NEW BOLLARDS, CANOPY COLUMNS PER GULF BRANDING SPECIFICATIONS.
16 KEEP EXISTING VEEDER ROOT TLS350. UPDATE SOFTWARE AND HARDWARE AS REQUIRED.
17 ROUTE NEW CONDUIT TO NEW ELECTRICAL THROUGH EXTERIOR OF BUILDING. VERIFY LOCATION WITH SEI CONSTRUCTION MANAGER.
18 DEMOLITION-REMOVE EXISTING TANKS, TANK SLAB, EXISTING UST SYSTEM AND PIPING COMPLETELY. REMOVE ADDITIONAL PAVEMENT/SIDEWALKS AS REQUIRED TO FACILITATE OTHER REMOVALS AND INSTALLATIONS.
19 INSTALL (1) NEW E-STOP ON BUILDING EXTERIOR TO ADA HEIGHT COMPLIANCY.
20 INSTALL NEW 36'-0" X 43'-0" GULF-BRANDED CANOPY FOR (3) NEW DISPENSERS.
21 INSTALL (1) NEW INTERIOR E-STOP BEHIND THE SALES COUNTER.
22 INSTALL (3) NEW SS DISPENSER ISLANDS.
23 INSTALL (3) PUMP TOPPERS AT DISPENSERS.

GENERAL NOTES

- FUEL CONTRACTOR
1 FUEL GC TO WORK WITH SEI PM ON SCHEDULING. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE SEI PROJECT MANAGER.
2 FUEL GC RESPONSIBLE FOR ALL CONCRETE OVER TANKS AND PRODUCT PIPING (I.E. TANK SLAB AND DRIVE MATS). CONCRETE CHAIRS ARE BY SEI.
3 FUEL GC RESPONSIBLE FOR CANOPY FOOTINGS.
4 FUEL GC TO INSTALL CANOPY DRAINS (WHERE APPLICABLE) TO POINT OF CONNECTION WITHIN (10) FT OF DRIVE MATS.
5 FUEL GC TO INSTALL ALL FUEL RELATED ELECTRONICS (I.E. DATA BOXES, EDH UNIT, TURBINE RELAYS, ISOLATION RELAYS, ETC).
6 FUEL GC RESPONSIBLE FOR ALL ELECTRICAL CONDUITS, SEAL-OFFS, ELECTRICAL J-BOXES PER STATE, LOCAL, MANUFACTURERS AND SEI CODES AND SPECIFICATIONS.
7 FUEL GC TO PULL WIRE FOR CANOPY LIGHTING, INTERCOM, DISPENSERS, TURBINES AND MONITORING SYSTEM DEVICES.
8 FUEL GC TO MAKE ALL FINAL CONNECTIONS TO FUELING EQUIPMENT AND ELECTRONICS.
9 FUEL GC TO PULL TRADE PERMITS FOR FUELING WORK (AS REQUIRED).
10 FUEL GC TO "CALL FOR" AND "BE PRESENT FOR" ALL LOCAL REGULATOR INSPECTIONS AND RESPONSIBLE FOR SCHEDULING ON-SITE INSPECTIONS WITH APPROPRIATE SEI REPRESENTATIVE RELATED TO FUELING.
11 FUEL GC TO COORDINATE WITH TANKNOLOGY AND THE SEI CONSTRUCTION MANAGER FOR TESTING OF FUELING SYSTEM.
12 FUEL GC TO HAVE PERSONNEL ON SITE FOR TESTING.
13 FUEL GC RESPONSIBLE FOR CLOSE OUT PACKAGE PER 7-11 MATRIX.

KEY NOTES

- 1 EXISTING CONVENIENCE STORE
2 NEW CANOPY AND DISPENSERS
3 NEW UNDERGROUND FUEL STORAGE TANKS AND SLAB
4 NEW FUEL STORAGE TANK VENTS
5 EXISTING AIR-VAC MACHINE. MOVE LOCATION OF AIR-VAC MACHINE TO BE ON PROPERTY AS REQUIRED.
6 NEW E-STOP ON BUILDING EXTERIOR
7 EXISTING MAIN ID SIGN TO REMAIN WITH NEW LED RUL/DSL PRICE SIGN UPGRADE
8 EXISTING VEEDER ROOT SITE MONITOR CONSOLE. FIELD VERIFY LOCATION
9 NEW INTERIOR E-STOP BEHIND SALES COUNTER. FIELD VERIFY LOCATION

NOTE: TANKS TO BE BURIED AT A MINIMUM OF 4.17' AT THE LOWEST FINISH GRADE ELEVATION AND A MAXIMUM OF 5.67' AT THE HIGHEST FINISH GRADE ELEVATION ON THE TANK PAD. VENT PIPING MUST HAVE A MINIMUM SLOPE OF 1/8" PER FOOT FROM VENT SUMP TO THE TANKS. GC TO COORDINATE ANY BURIAL DEPTH DEVIATIONS WITH SEI PROJECT MANAGER.

NOTE: THIS DRAWING IS TO BE USED AS A SCHEMATIC DRAWING. IT IS THE RESPONSIBILITY OF THE GC AND FUELING SUB-CONTRACTORS INSTALLING PRODUCT PIPING AND FUEL SYSTEM TO VERIFY EXISTING FIELD CONDITIONS. IF FIELD CONDITIONS VARY FROM DRAWING AS SHOWN OR INHIBIT INSTALLATION AS SHOWN CEASE WORK AND CONTACT SEI PROJECT MANAGER OR REPRESENTATIVE.

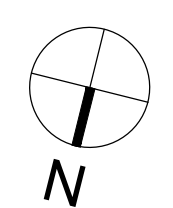
GC AND SUB-CONTRACTORS TO FOLLOW REMOVAL, AND INSTALLATION REQUIREMENTS OF FUELING SYSTEM COMPONENTS PER MANUFACTURER INSTRUCTIONS, LOCAL, FEDERAL, AND FIRE MARSHALL'S MANDATES, LAWS, AND REGULATIONS.

NOTE: SLOPE PRODUCT PIPING 1/8" PER FOOT FROM LAST DISPENSER TO THE TANKS.

TANK BURIAL CHART - STORE (38912) table with columns for COMPONENT, PREMIUM, REGULAR, and VENT. Rows include FINISH GRADE ELEV., PIPE BURY, ELEVATION OF PIPE, PIPE LENGTH, PIPING RUN FALL, TOTAL CROSSOVERS, CROSSOVER/SWING JOINT DEPTH, ELEVATION AT END OF PIPE, ADD FOR EXTRACTOR TEE, TOP TANK ELEVATION, HIGHEST FINISH GRADE ELEVATION AT TANK SLAB, MAX BURY DEPTH, and MIN BURY DEPTH.

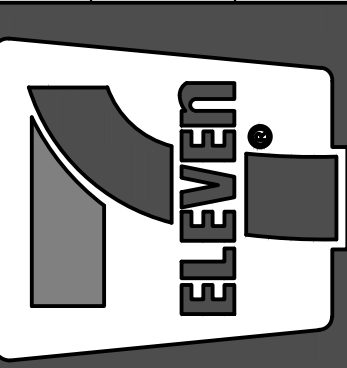
TANK BURIAL DEPTH IS GOVERNED BY THE MINIMUM BURIAL DEPTH OF 4.17 FT. THE TOP OF TANKS SHALL BE SET AT - 298.90 FT

U.S. ROUTE 202



1 ARCHITECTURAL SITE PLAN 3/32" = 1'-0"

7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063 7-ELEVEN #38912 3451 CROMPOUND ROAD YORKTOWN HEIGHTS, NEW YORK 10598 FUELING ARCHITECTURAL SITE PLAN



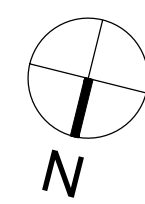
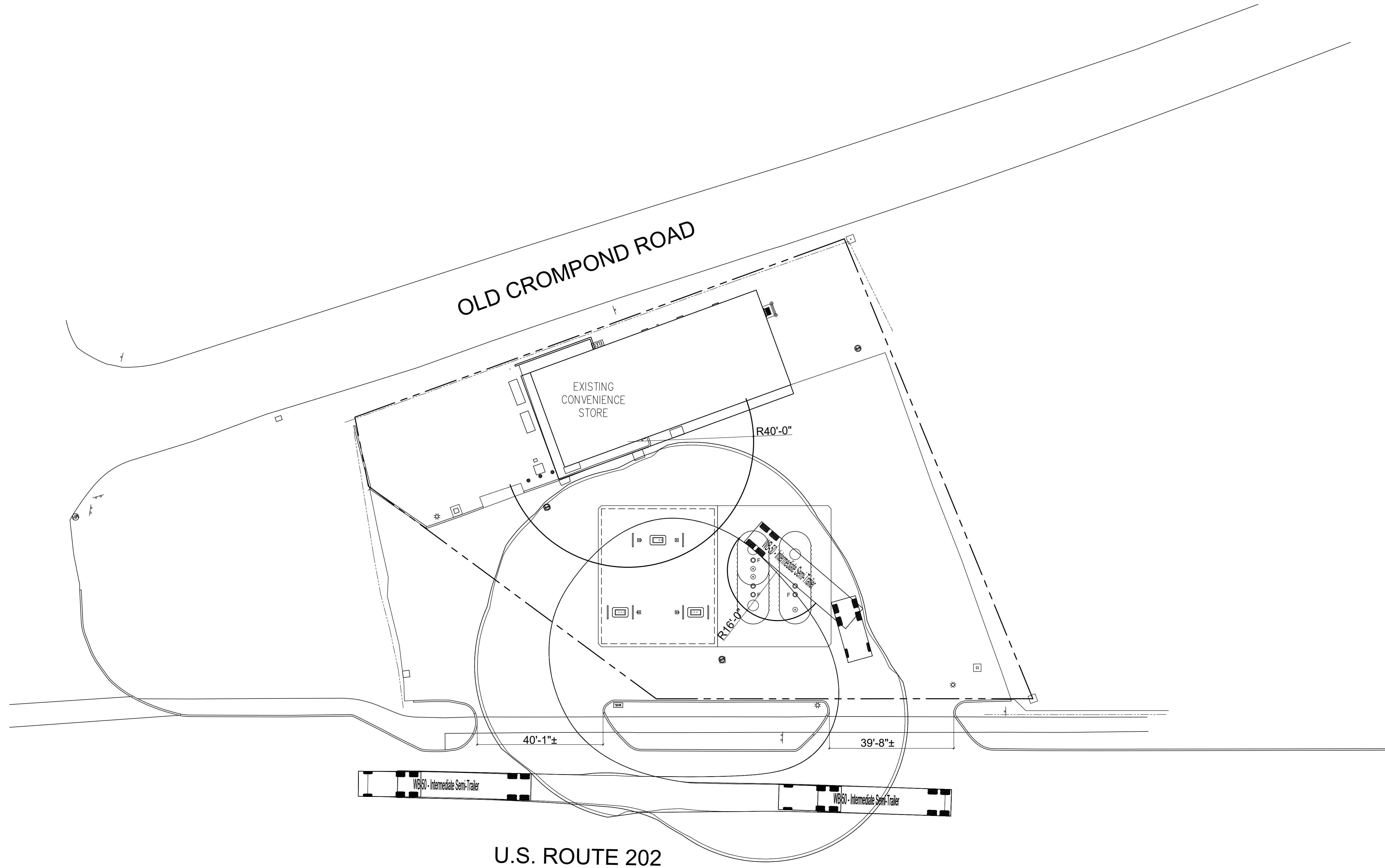
CORE STATES GROUP ARCHITECTURAL CORP. 44 East Main Street, Somerville, NJ 08876

Job#: SEI-32507 Scale: AS NOTED Date: 08/24/21 Drawn By: GJD Checked By: CGC

Documents prepared by Core States Group are for the specific project and specific use for which they are intended. Any extension of use beyond that intended without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.



SHEET: G0.1 FUELING - USA



1

FUELING TRUCK ROUTE
 1/16" = 1'-0"

Documents prepared by Core States Group are for the specific project and specific use for which they are intended. Any extension of use for any other party, without the expressed, written consent of Core States Group is done at the user's risk. Core States Group will not be held responsible for any way other than that specifically intended, user will hold Core States Group harmless from all claims and losses.

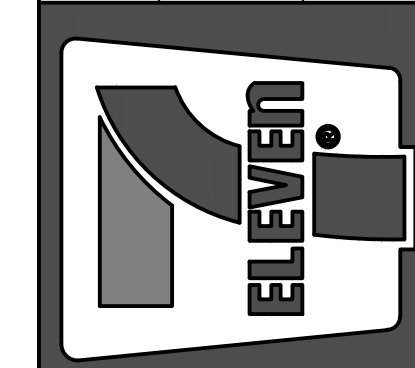


11-16-2021

SHEET:
G0.2

FUELING - USA

Job#: SEI-32507
 Scale: AS NOTED
 Date: 08/24/21
 Drawn By: GJD
 Checked By: CGC

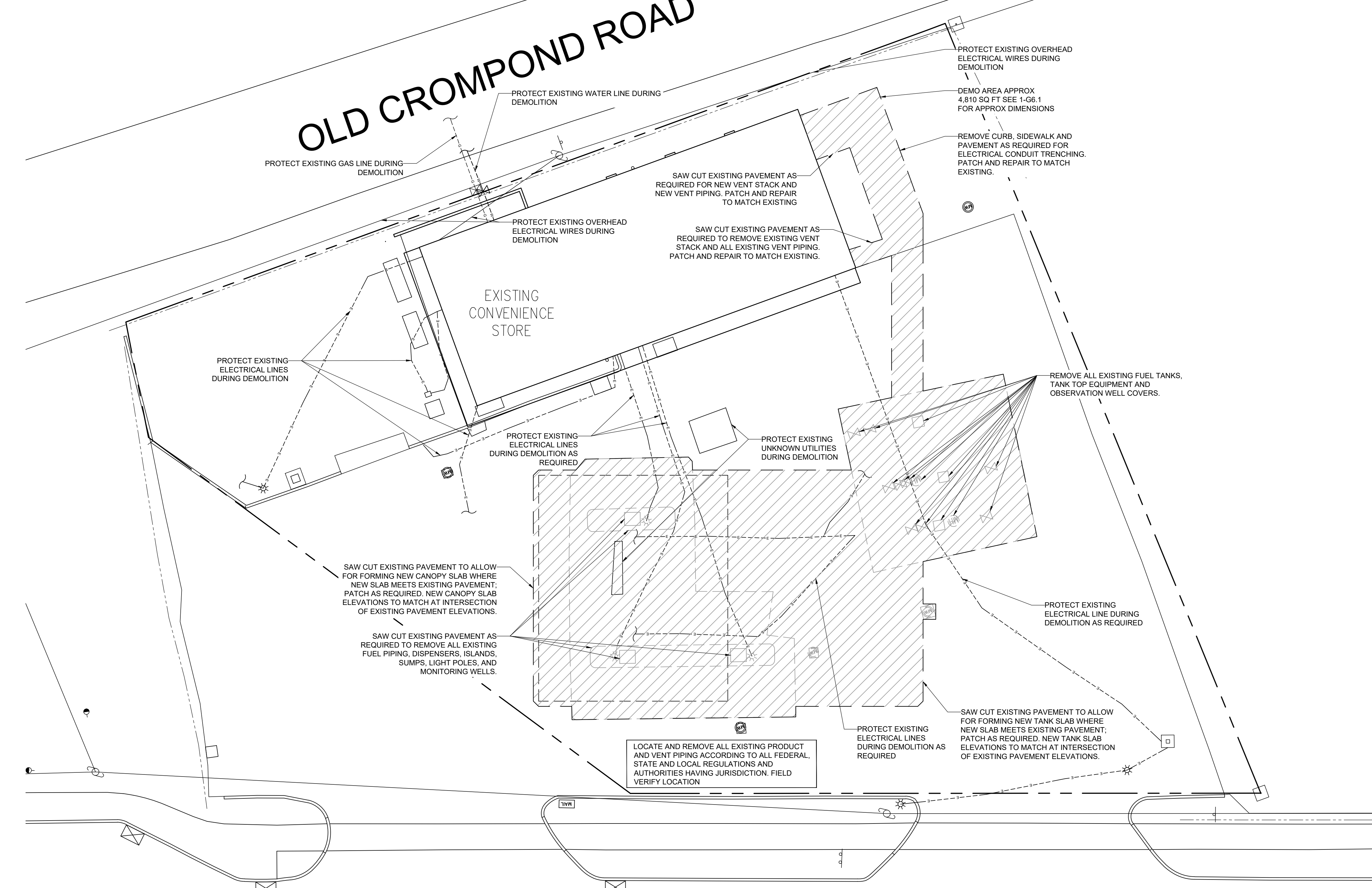


7-ELEVEN, INC.
 3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
 3451 CROMPOND ROAD
 YORKTOWN HEIGHTS, NEW YORK 10598
 FUELING TRUCK ROUTE

Proto 12-01-2020

Rev. #	Date	Description

OLD CROMPOD ROAD



U.S. ROUTE 202

GENERAL NOTES

- CONTRACTOR TO CUT AND REMOVE CONCRETE AS NECESSARY TO REMOVE ALL EXISTING PIPING. LOCATION OF REMOVAL AT DISPENSER ISLANDS IS APPROXIMATE AND IS BASED ON AVAILABLE INFORMATION.

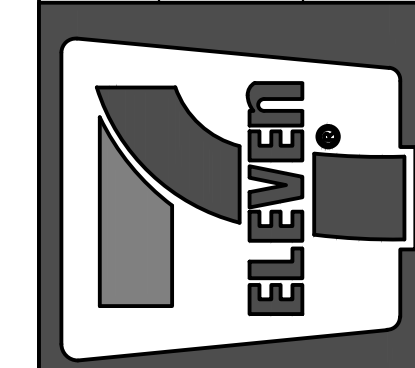
Rev. #	Date	Description

Proto 12-01-2020

7-ELEVEN, INC.
 3200 HACKBERRY ROAD, IRVING TEXAS 75063

7-ELEVEN #38912
 3451 CROMPOD ROAD
 YORKTOWN HEIGHTS, NEW YORK 10598

FUELING DEMOLITION PLAN

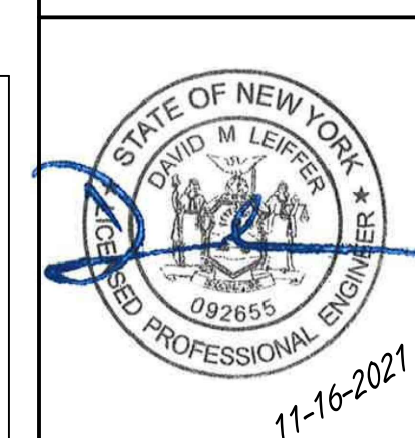


CORE STATES GROUP

ARCHITECTS ENGINEERS P.C.
 45 East Main Street
 Somerville, NJ 08876
 CORESTATES.COM
 CERTIFIED No. 0313279

Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for the specific project and specific use for which they are intended. Any extension of use for any other party, without the expressed, written consent of Core States Group is done at the user's risk. Core States Group does not warrant that the information provided herein is correct, complete or up-to-date. Core States Group and its affiliates shall not be held liable for any damages or losses resulting from the use of the information provided herein.

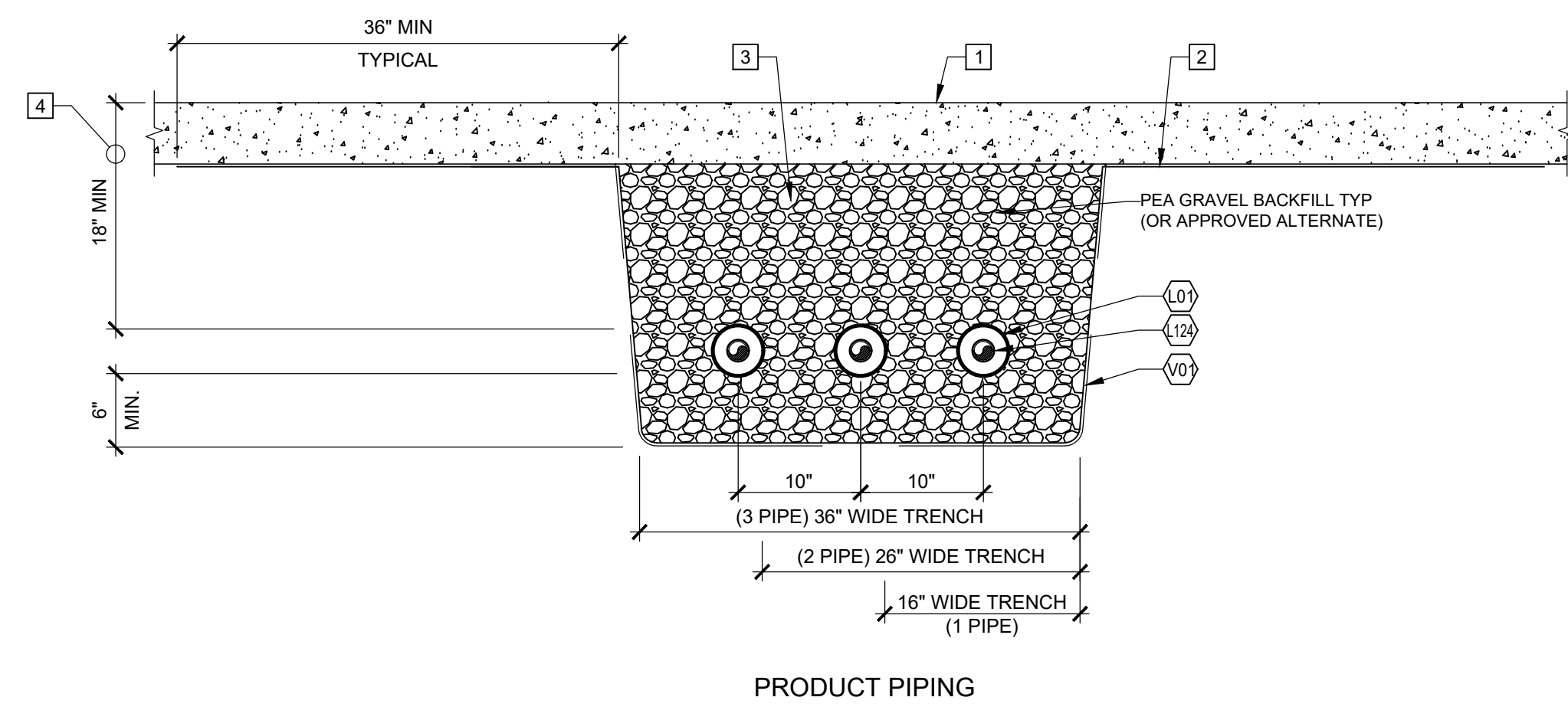


SHEET: **G0.3**

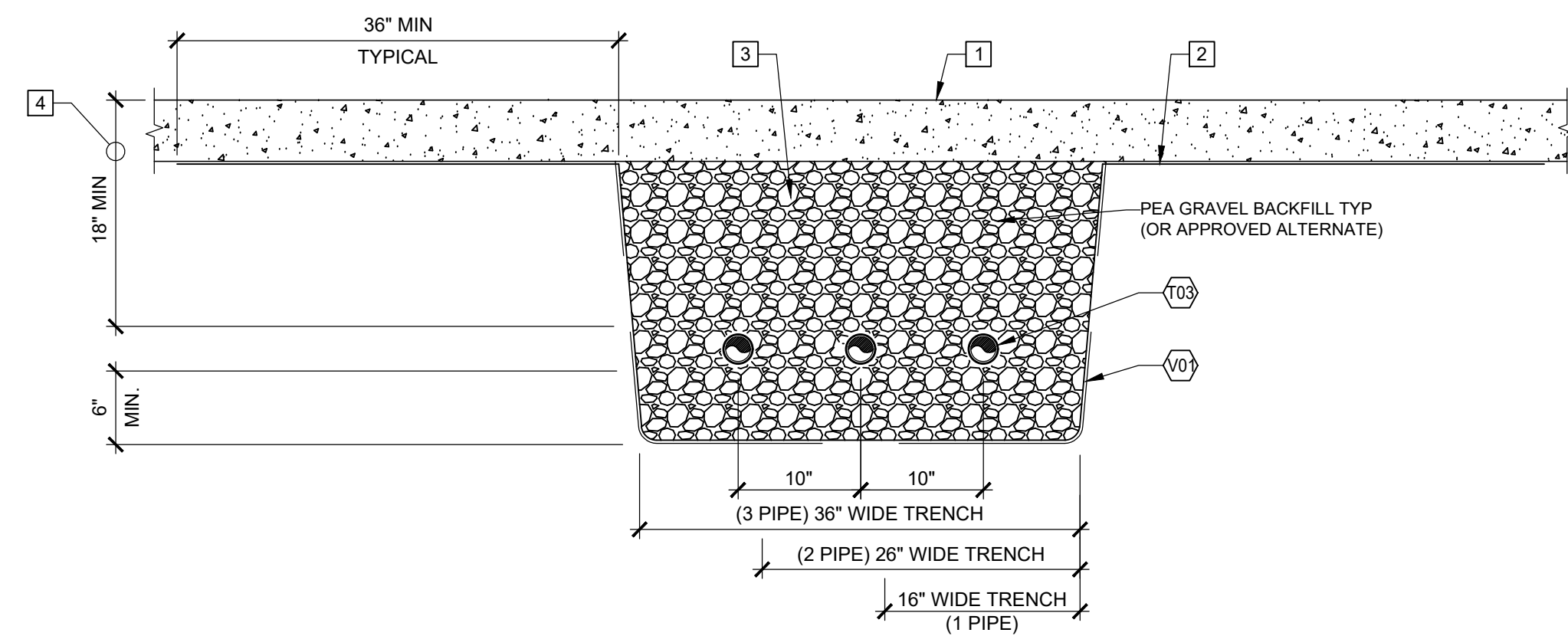
FUELING - USA

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON DESIGN DRAWINGS, RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. CORESTATES, INC. DOES NOT GUARANTEE THAT LOCATIONS SHOWN ARE EXACT. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES.

1 DEMO PLAN
 3/32" = 1'-0"

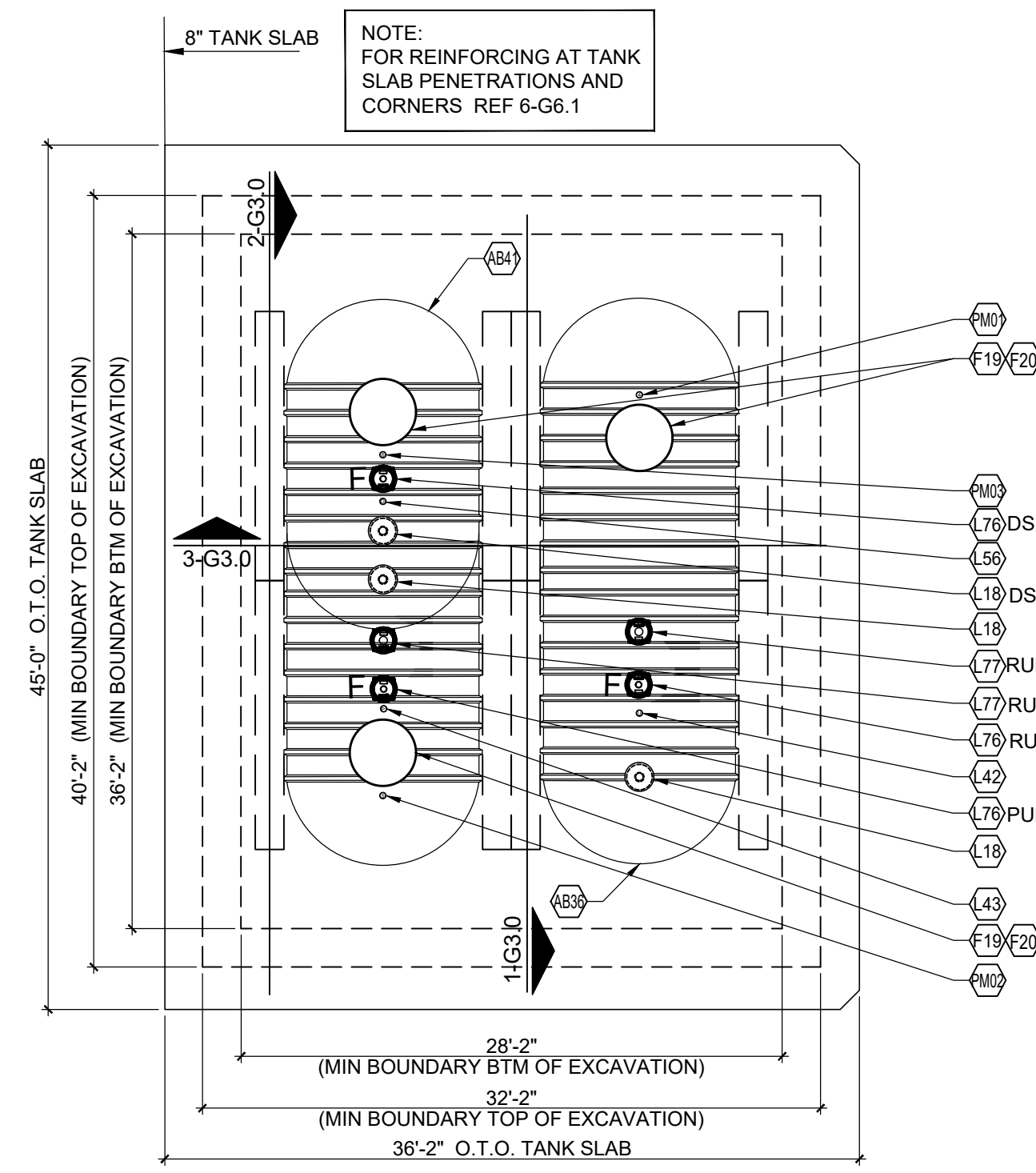


PRODUCT PIPING

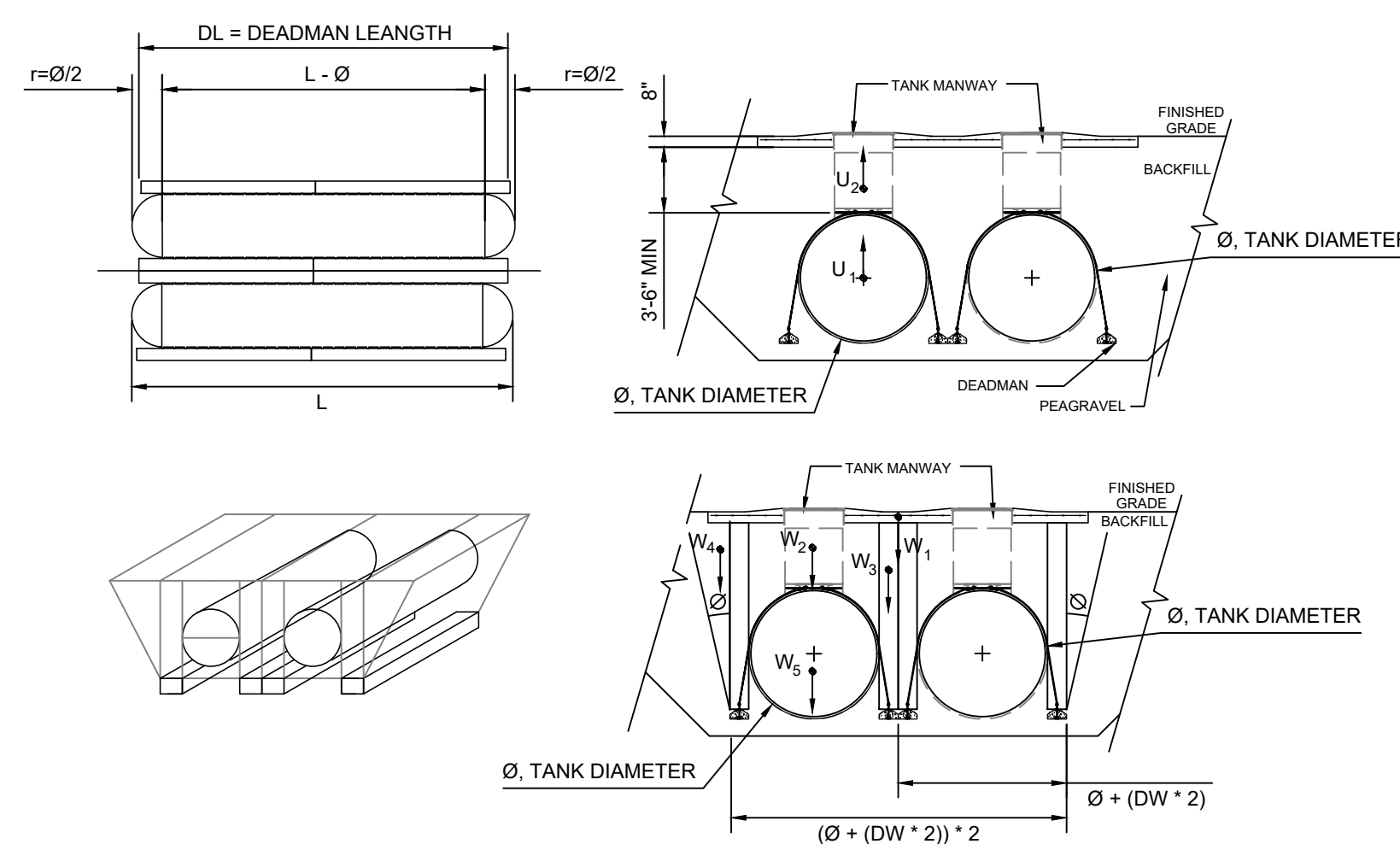


VENT PIPING

3 PIPING TRENCH SECTION
1"=1'-0"



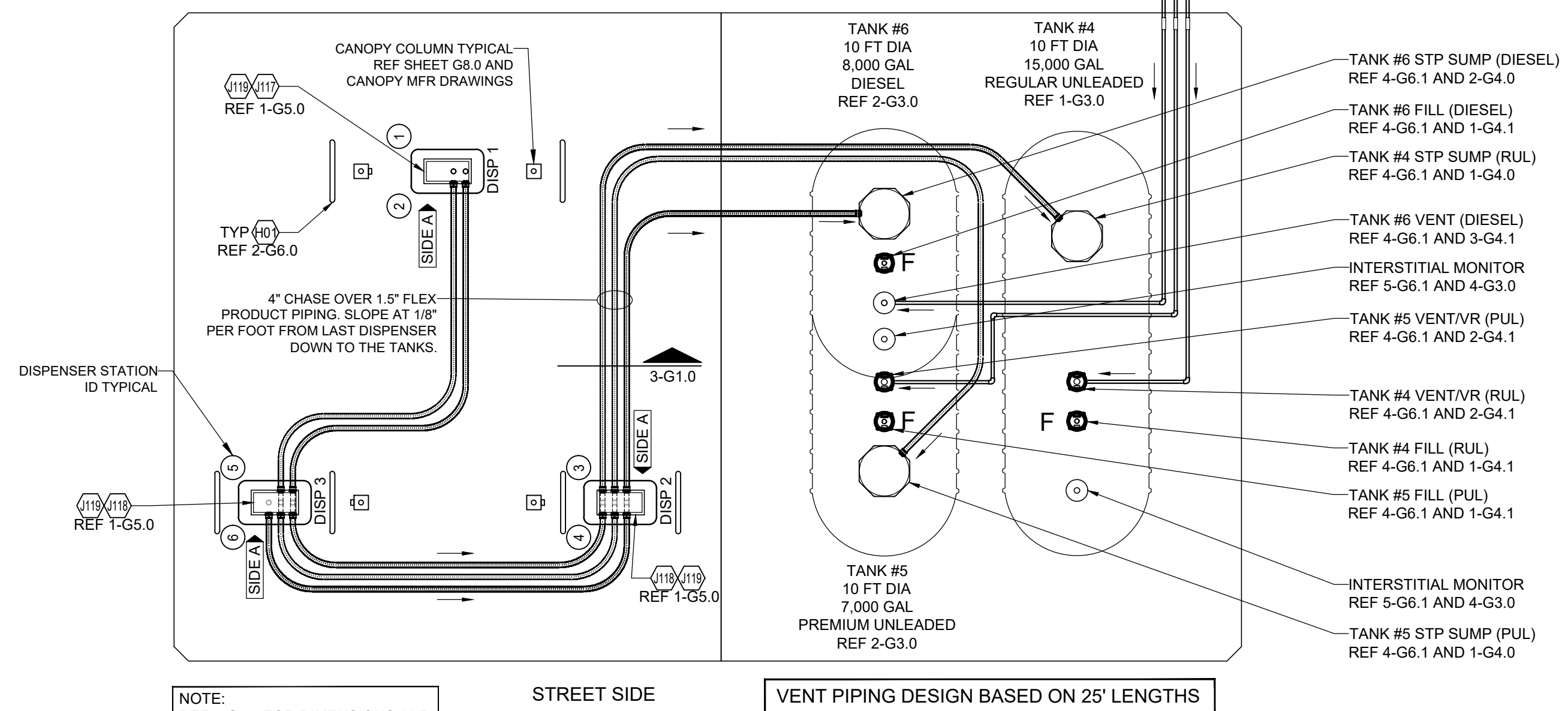
2 TANK SLAB PLAN
1/8"=1'-0"



1 FUEL PIPING PLAN
1/8"=1'-0"

FLOW RATE (RUL)	FLOW RATE (PUL)	FLOW RATE (DSL)
2 NOZZLES - 10 GPM	3 NOZZLES - 10 GPM	3 NOZZLES - 10 GPM
5 NOZZLES - 8 GPM	5 NOZZLES - 8 GPM	4 NOZZLES - 9 GPM
6 NOZZLES - 7 GPM	6 NOZZLES - 7 GPM	

STORE SIDE



NOTE:
REF 1-G6.1 FOR DIMENSIONS AND
LOCATIONS OF DISPENSERS.

VENT PIPING DESIGN BASED ON 25' LENGTHS

Underground Storage Tank Buoyancy Calculations for Fiberglass Tanks

Project #:	SEI-32507
Project Name:	Peekskill, NY (Store #38912)
Tank Manufacturer / Model:	Kerxes DW 10' 15K

Assumptions		
100% saturation to finished grade		
water =	62.4 lb/CF	
submerged concrete =	87.6 lb/CF	
submerged aggregate =	57.6 lb/CF	

Number of Tanks:	2
Tank Dry Weight:	7000 lbs
Tank Volume:	15000 gallons
Tank Diameter (ø):	10 feet
Tank Bury Depth:	4.17 feet
Tank Length (L):	25.43 feet
Number of Sumps:	3
Sump Diameter:	42 inches
Tank Slab Length:	45 feet
Tank Slab Width:	36.17 feet
Tank Slab Thickness:	8 inches
Deadman Length (DL):	28 feet
Deadman Width (DW):	18 inches
Deadman Height:	8.75 inches

Tank & Sump(s) Uplift			
Tank	U1 =	$\frac{30000 \text{ gal}}{7.49 \text{ gal/CF}} \times 62.4 \text{ lb/CF} =$	249,933 lbs
Sumps	U2 =	$120.3 \text{ CF} \times 62.4 \text{ lb/CF} =$	7,507 lbs
Total Uplift:	U =	$\sum U_i =$	257,440 lbs UP

Dead Weights for Hold Down			
Concrete Slab	W1 =	$1085.1 \text{ CF} \times 87.6 \text{ lb/CF} =$	95,055 lbs
Backfill Above Tank	W2 =	$2,645 \text{ CF} \times 57.6 \text{ lb/CF} =$	152,367 lbs
Gravel Column Above Deadman (2 deadman per tank)	W3 =	$2268.56 \text{ CF} \times 57.6 \text{ lb/CF} =$	130,669 lbs
Soil Wedge Above Deadman (2 total)	W4 =	$245,1409 \text{ CF} \times 57.6 \text{ lb/CF} =$	14,120 lbs
Concrete Deadman (2 deadman per tank)	W4 =	$122.5 \text{ CF} \times 87.6 \text{ lb/CF} =$	10731 lbs
Dry Weight of Tank	W5 =		14,000 lbs
Total Weight	W =	$\sum W_i =$	416,941 lbs DOWN

Net Force	F _{net} =	$\sum W_i - \sum U_i =$	159,502 DOWN
Factor of Safety	F.S. =	$\frac{416,941 \text{ lbs}}{257,440 \text{ lbs}} =$	1.62 PASS

GENERAL NOTES

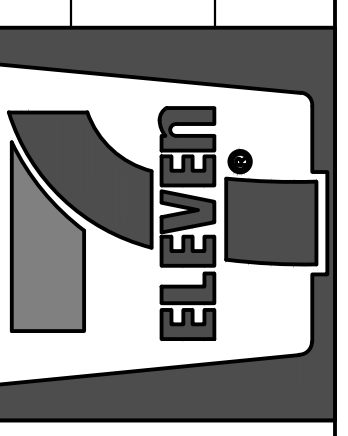
- ALL CONSTRUCTION SHALL MEET COUNTY STANDARDS. CONTRACTOR TO SECURE ENTIRE CONSTRUCTION AREA WITH CHAIN LINK FENCING DURING CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DIFFERENCES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE PLANS BEFORE PROCEEDING WITH CONSTRUCTION.
- FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTEGRITY OF THE PIPING SYSTEM DURING CANOPY ERECTION AND CONCRETE FLATWORK INSTALLATION.
- AFTER COMPLETING INSTALLATION OF DISPENSERS, THE FUEL CONTRACTOR IS TO INSTALL BRIGHT ORANGE CONSTRUCTION FENCE AROUND ENTIRE DISPENSER.
- FUEL CONTRACTOR IS TO BE AWARE THAT ON THE DAY THE GASOLINE SYSTEM IS PUT INTO SERVICE, THE FUEL CONTRACTOR AND A GILBARCO AUTHORIZED SERVICE CONTRACTOR MUST BE ON SITE ONE (1) HOUR PRIOR TO STARTUP AND MUST REMAIN ON SITE THREE (3) ADDITIONAL HOURS FOR A TOTAL OF FOUR (4) HOURS. ANY COSTS INCURRED OVER FOUR (4) HOURS DUE TO FUELING SYSTEM ISSUES, SHOULD BE BILLED AS A CHANGE ORDER.

KEY NOTES

- 6" CONCRETE SLAB AT FUELING CANOPY. REF G0.1 FOR TOS ELEVATIONS.
- GEOTECH FABRIC MATERIAL TO EXTEND 36" PAST EACH SIDE OF PIPING TRENCH. ALL GEOTECH FABRIC MATERIAL SHALL BE PINNED PRIOR TO BACKFILLING. METHOD OF PINNING FABRIC AT TOP OF EXCAVATION TO BE APPROVED BY THE 7-ELEVEN CONSTRUCTION MANAGER.
- PIPING TRENCHES SHALL BE DUG IN SUCH A MANNER THAT THE TRENCH WIDTH IS EQUAL TO AT LEAST TWICE WIDTH OF ALL PIPING CONTAINED WITHIN. MAINTAIN A MINIMUM OF 4" (10cm) CLEAR DISTANCE BETWEEN PIPING POSITIONED IN THE TRENCH AND 6" WHERE PIPING CROSSES OVER EACH OTHER. THE BOTTOM OF THE TRENCH SHALL BE AS UNIFORM AS POSSIBLE TO ELIMINATE HIGH SPOTS AND ENSURING AN EVEN LAYER OF BEDDING MATERIAL UNDER THE PIPE. REMOVE ALL SHARP ROCKS AND DEBRIS FROM THE TRENCH BOTTOM BEFORE BEDDING MATERIAL IS INSTALLED.
- SITE CONDITIONS MAY CAUSE VARIATIONS WHICH MUST BE APPROVED BY 7-ELEVEN AND MANUFACTURER. PIPING BURIAL DEPTHS LESS THAN 18" REQUIRES 7-ELEVEN APPROVAL.

Rev. #	Date	Description

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
FUELING PIPING AND TANK PLAN
Proto 12-01-2020



CORE STATES GROUP
44 East Main Street
Somerville, IL 60069
ARCHITECTS ENGINEERS P.C.
NEW YORK
CERTIFIED No. 0313279
CORP. REG. NO. 0313279

Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for the specific project and site only for the specific project and site. Any extension of use without the express written consent of Core States Group is prohibited. Core States Group is not responsible for any other party, without the expressed, written consent of Core States Group, who may use the information in any way other than that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.

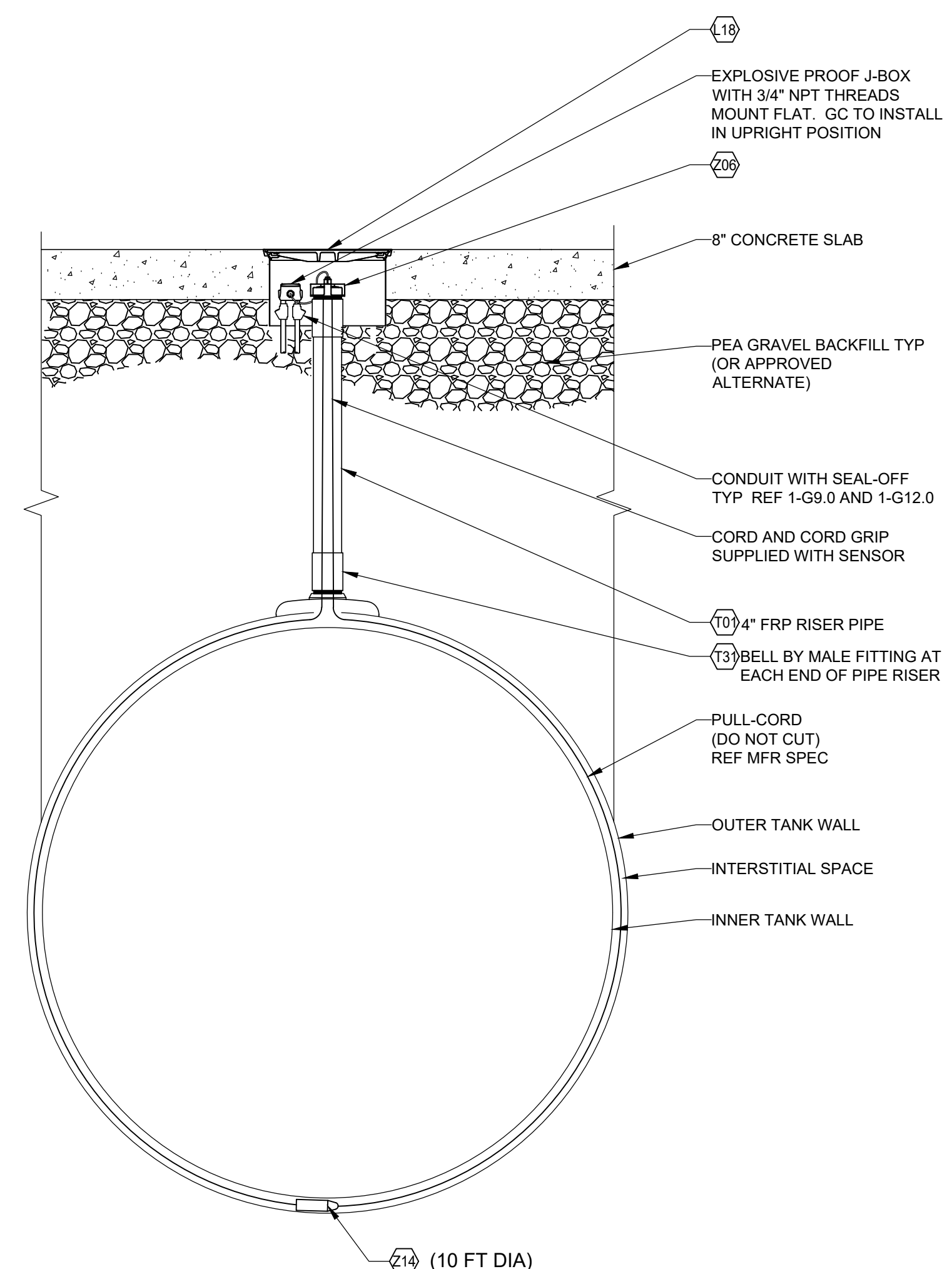


11-16-2021

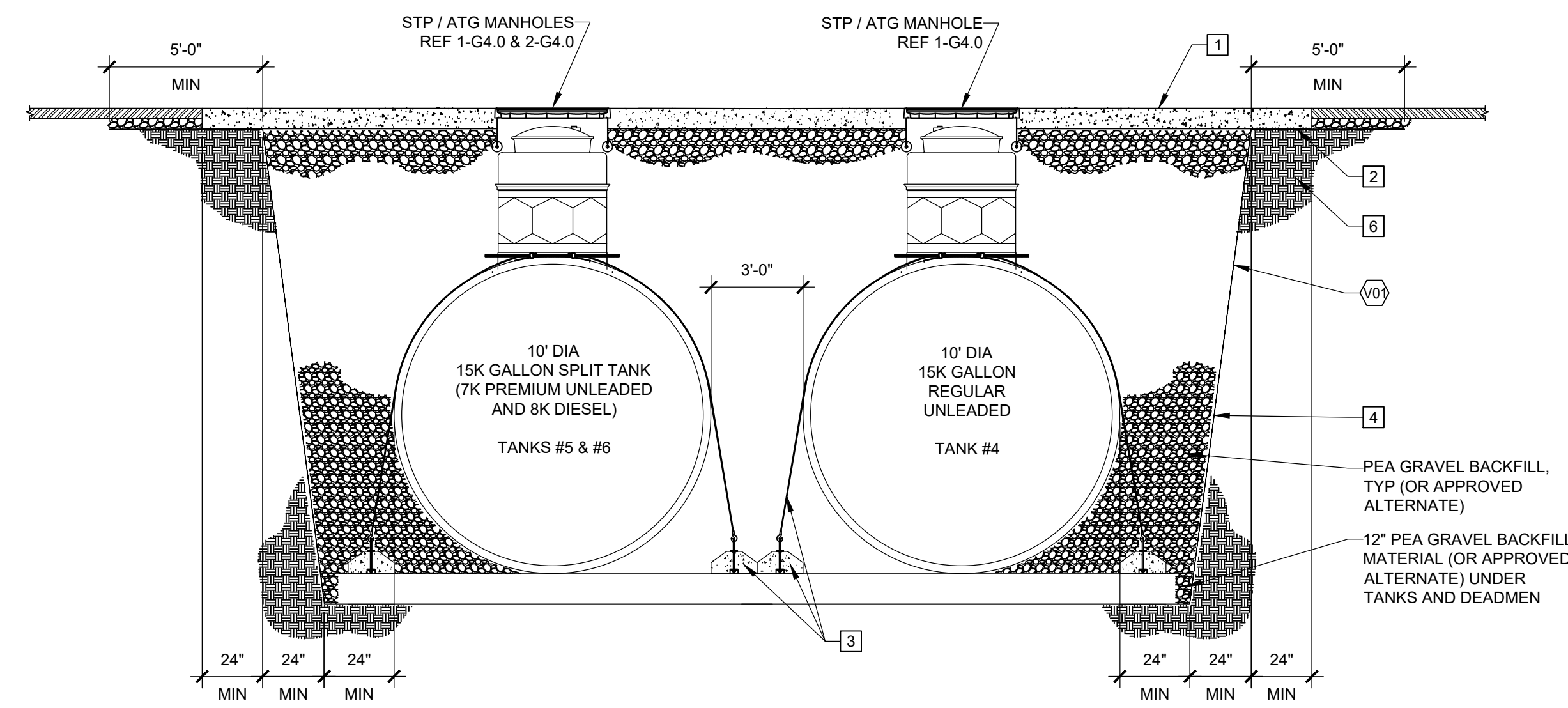
SHEET:
G1.0
FUELING - USA

KEY NOTES

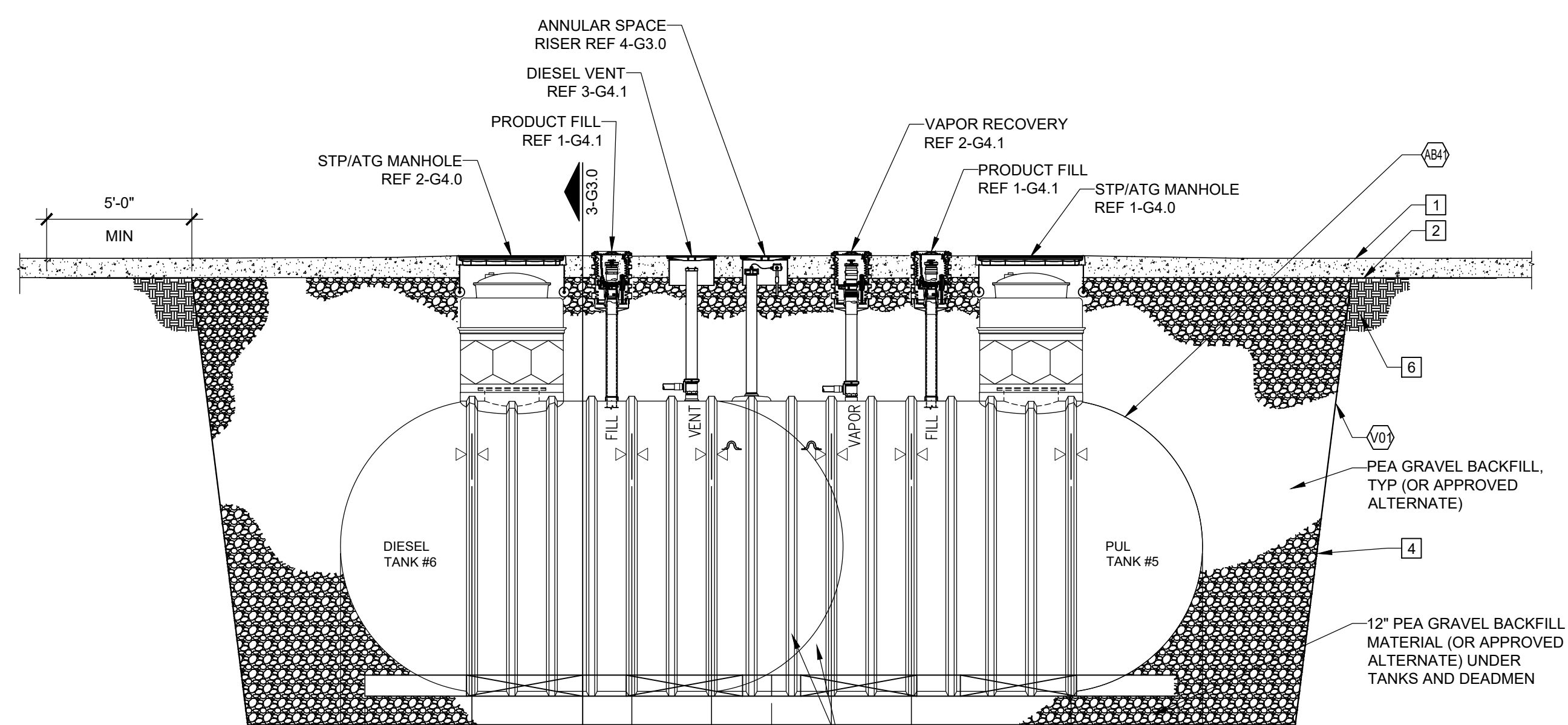
- 1 CONCRETE SLAB. REF G3.1 FOR TOS ELEVATIONS. ALL MANHOLES WITHIN THE TANK SLAB AREA TO BE RAISED 1" ABOVE THE NORMAL GRADE OF CONCRETE. SLOPE CONCRETE TO MANHOLES 1/4" PER FT. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING).
- 2 GEOTECH FABRIC MATERIAL TO EXTEND 60" MINIMUM PAST THE TANK HOLE EXCAVATION. ALL GEOTECH FABRIC MATERIAL TO BE PINNED PRIOR TO BACKFILLING. METHOD OF PINNING FABRIC AT TOP OF EXCAVATION TO BE APPROVED BY THE 7-ELEVEN CONSTRUCTION MGR.
- 3 MOH STRAP ANCHOR SYSTEM SUPPLIED BY TANK MANUFACTURER. PLACE DEADMEN PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4 FOR SLOPE, FOLLOW CURRENT OSHA REGULATIONS. IF SHEET PILES ARE UTILIZED, PROVIDE 42" MINIMUM CLEARANCE BETWEEN NEW TANKS AND SHORING.
- 5 BURIAL DEPTH GREATER THAN 5'-8" REQUIRES 7-ELEVEN AND MANUFACTURER'S APPROVAL.
- 6 UNDISTURBED SOIL OR COMPACTED BACK FILL NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (AASHTO-T-180).



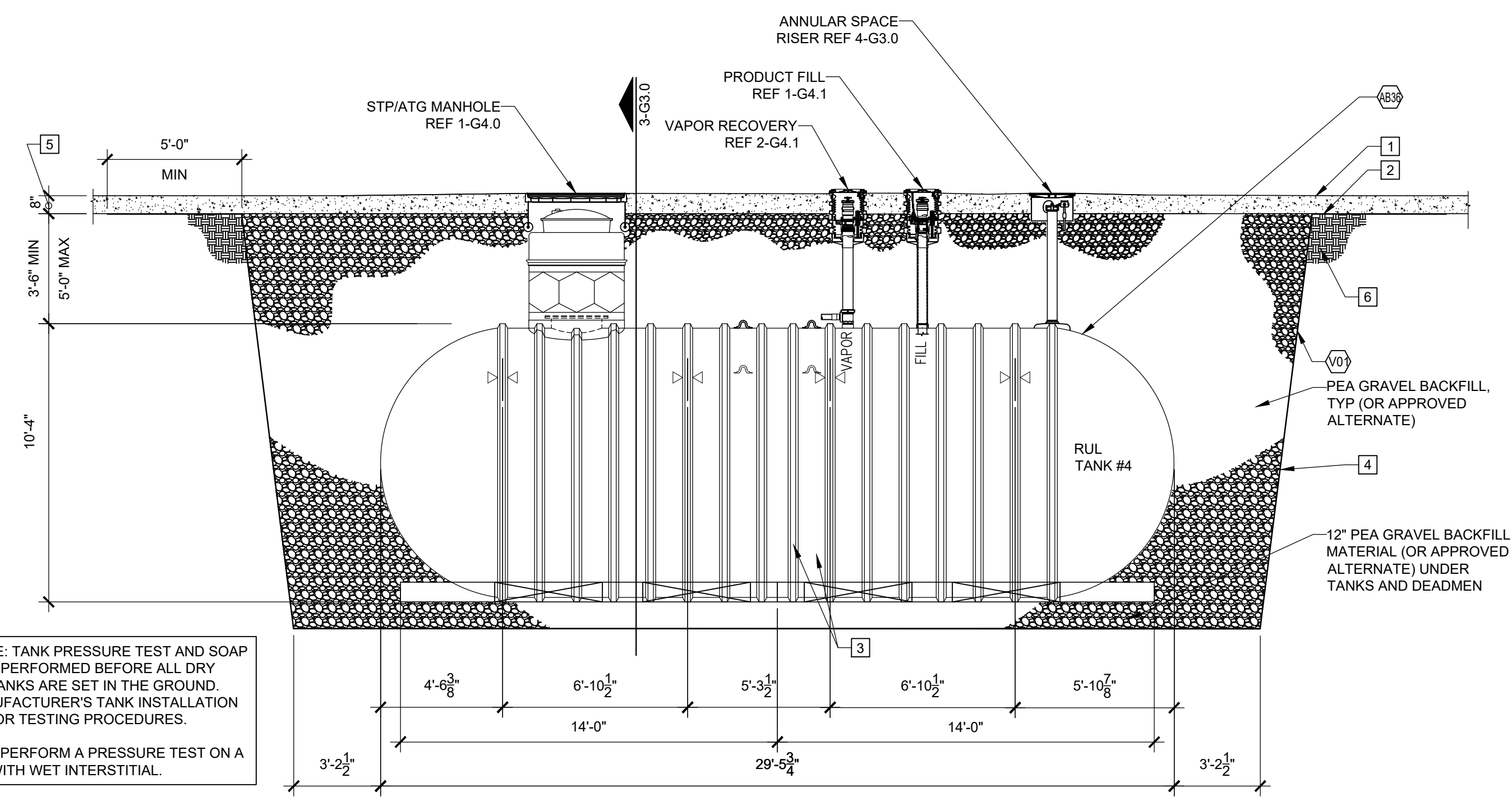
4 ANNULAR SPACE RISER AND SENSOR SECTION
1/2"=1'-0"



3 10' DIA UNDERGROUND STORAGE TANK SECTION
1/4"=1'-0"



2 10' DIA 20,000 GALLON SPLIT TANK SECTION
1/4"=1'-0"

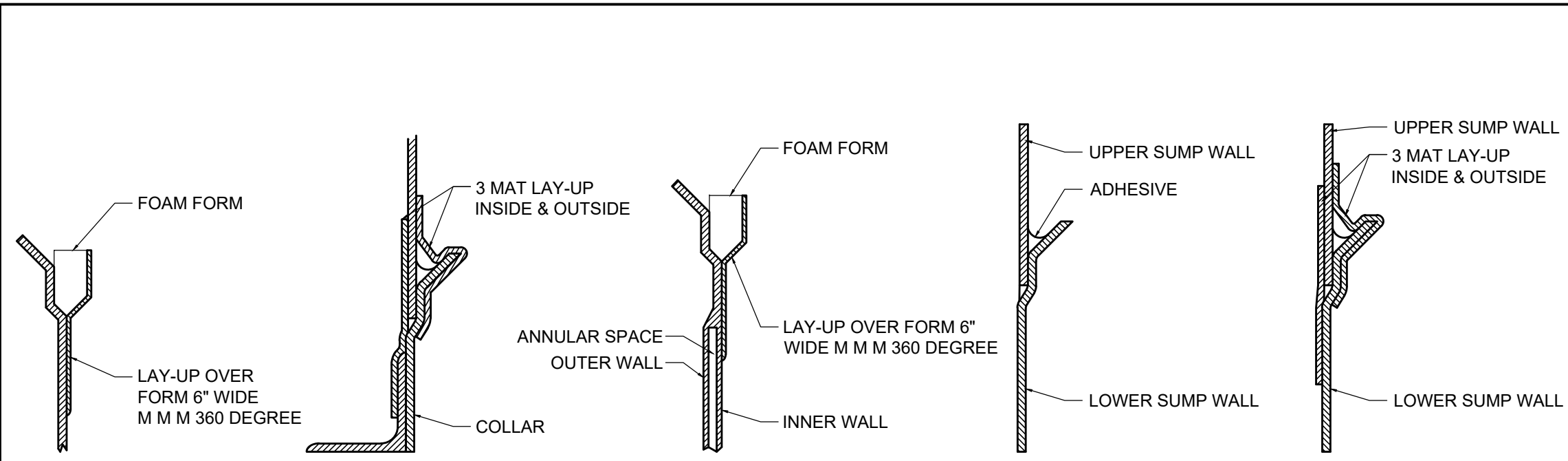


1 10' DIA 20,000 GALLON TANK SECTION
1/4"=1'-0"

CONTRACTOR NOTE: TANK PRESSURE TEST AND SOAP TEST MUST BE PERFORMED BEFORE ALL DRY INTERSTITIAL TANKS ARE SET IN THE GROUND. REFERENCE MANUFACTURER'S TANK INSTALLATION MANUAL FOR TESTING PROCEDURES.
WARNING: DO NOT PERFORM A PRESSURE TEST ON A TANK WITH WET INTERSTITIAL.

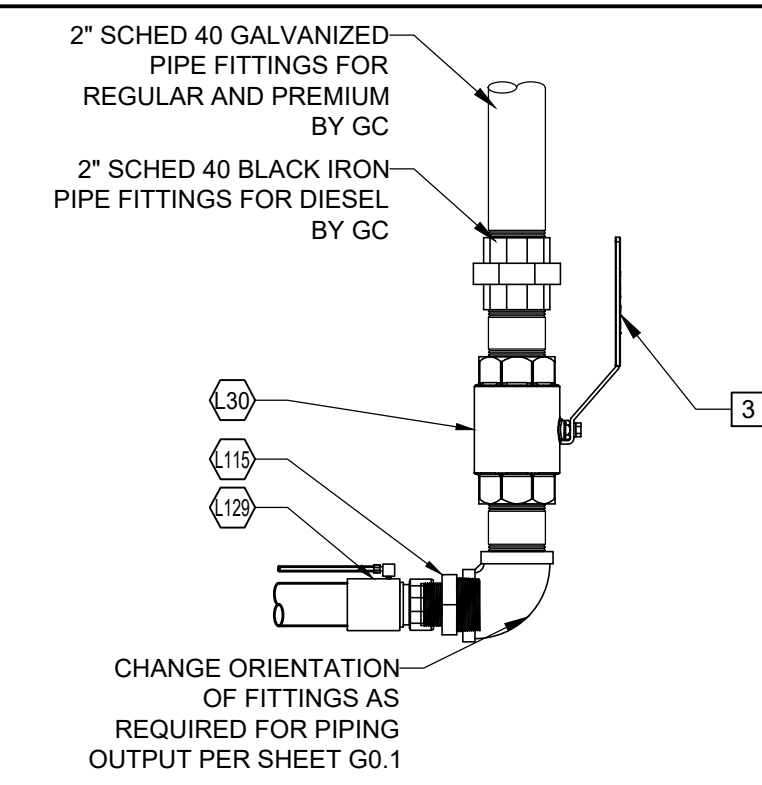
CONTRACTOR NOTE: TANK PRESSURE TEST AND SOAP TEST MUST BE PERFORMED BEFORE ALL DRY INTERSTITIAL TANKS ARE SET IN THE GROUND. REFERENCE MANUFACTURER'S TANK INSTALLATION MANUAL FOR TESTING PROCEDURES.
WARNING: DO NOT PERFORM A PRESSURE TEST ON A TANK WITH WET INTERSTITIAL.

Description	
Date	
Rev. #	
Proto 12-01-2020	
7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063	
7-ELEVEN #38912 3451 CROMPOUND ROAD YORKTOWN HEIGHTS, NEW YORK 10598	
TANK SECTIONS	
Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC
<p>Documents prepared by Core States Group are for the specific project and site only. Any extension of use beyond the project and site without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group and its affiliates, agents and users, harmless.</p>	
11-16-2021	
SHEET: G3.0	
FUELING - USA	

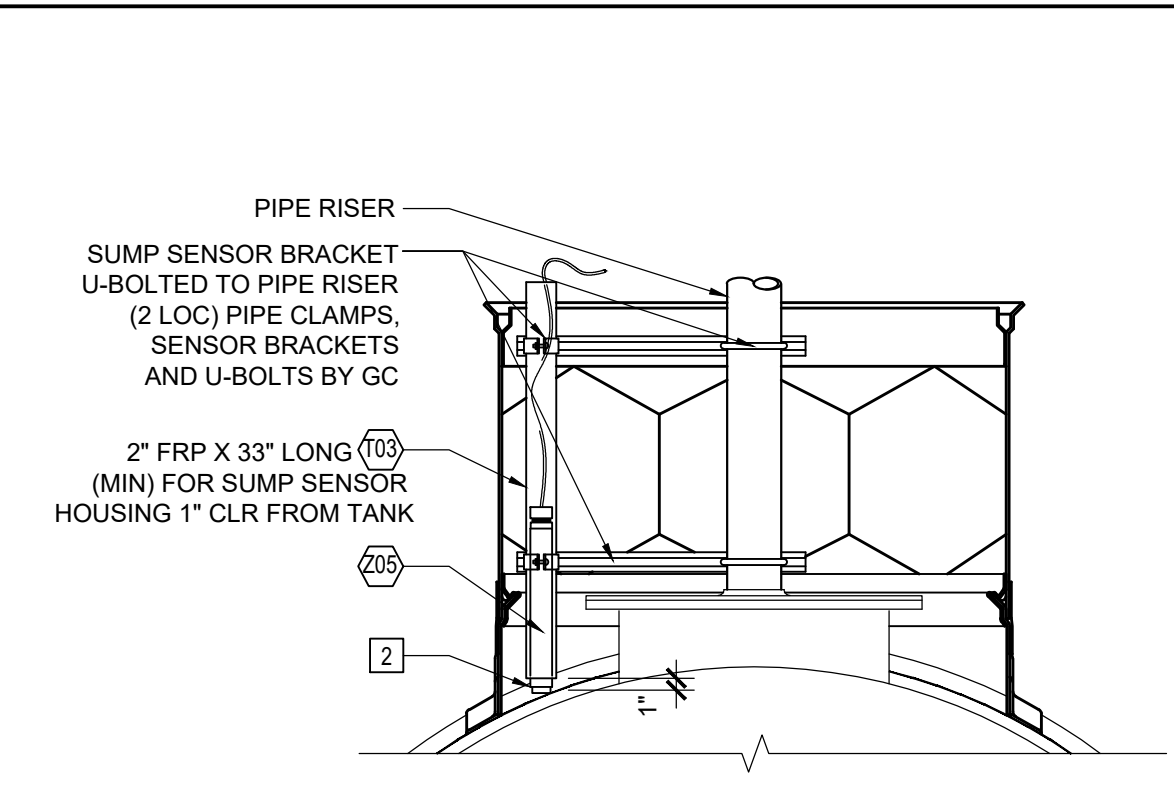


LAY-UP SAMPLES SHOWN ARE FOR REFERENCE ONLY. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC LAY-UP MATERIALS AND METHODS.

6 TANK SUMP LAYUP DETAILS
NTS



5 FUEL PIPING TREE DETAILS
1 1/2"=1'-0"

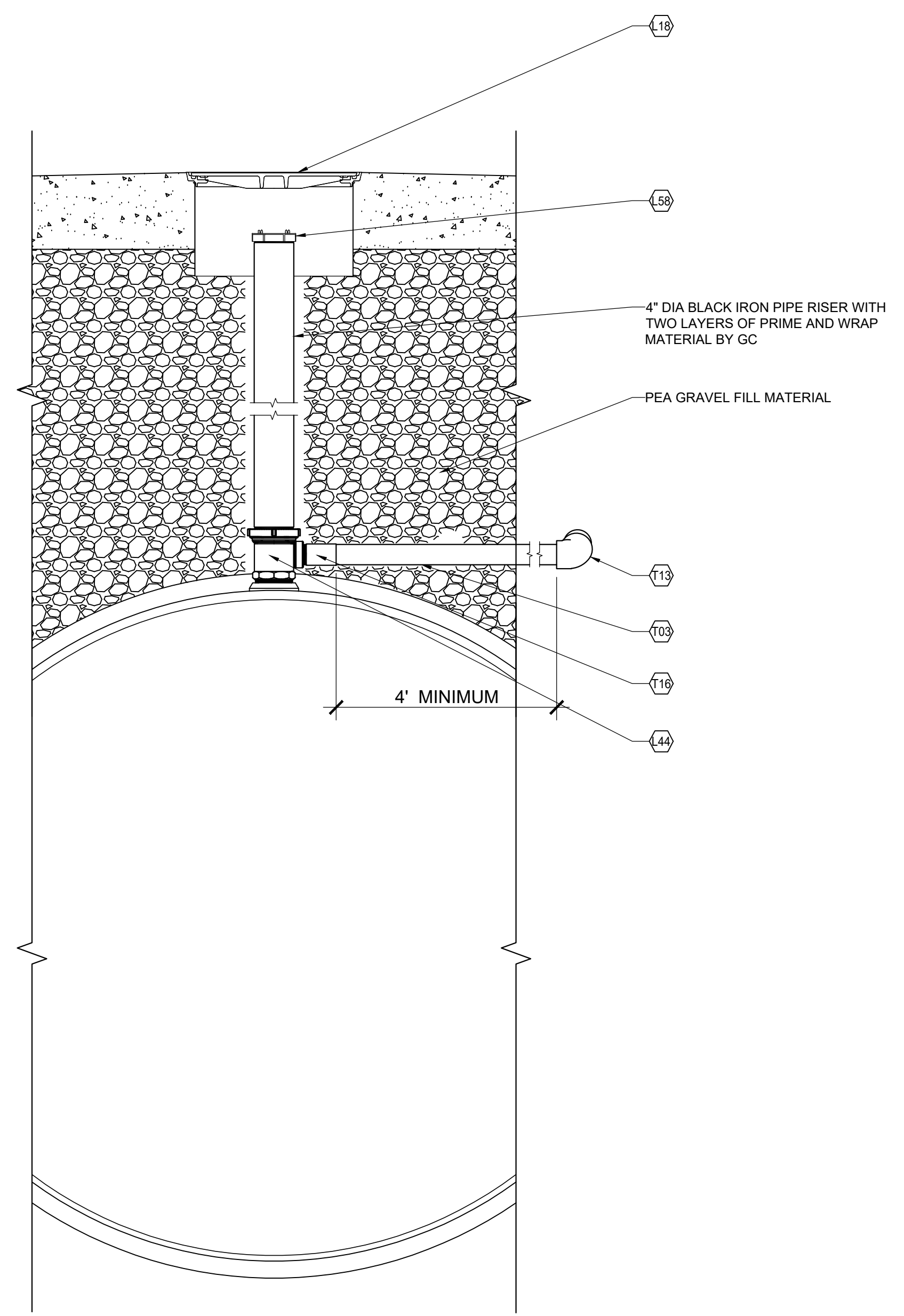


4 SUMP SENSOR AND SENSOR BRACKET DETAIL
3/4"=1'-0"

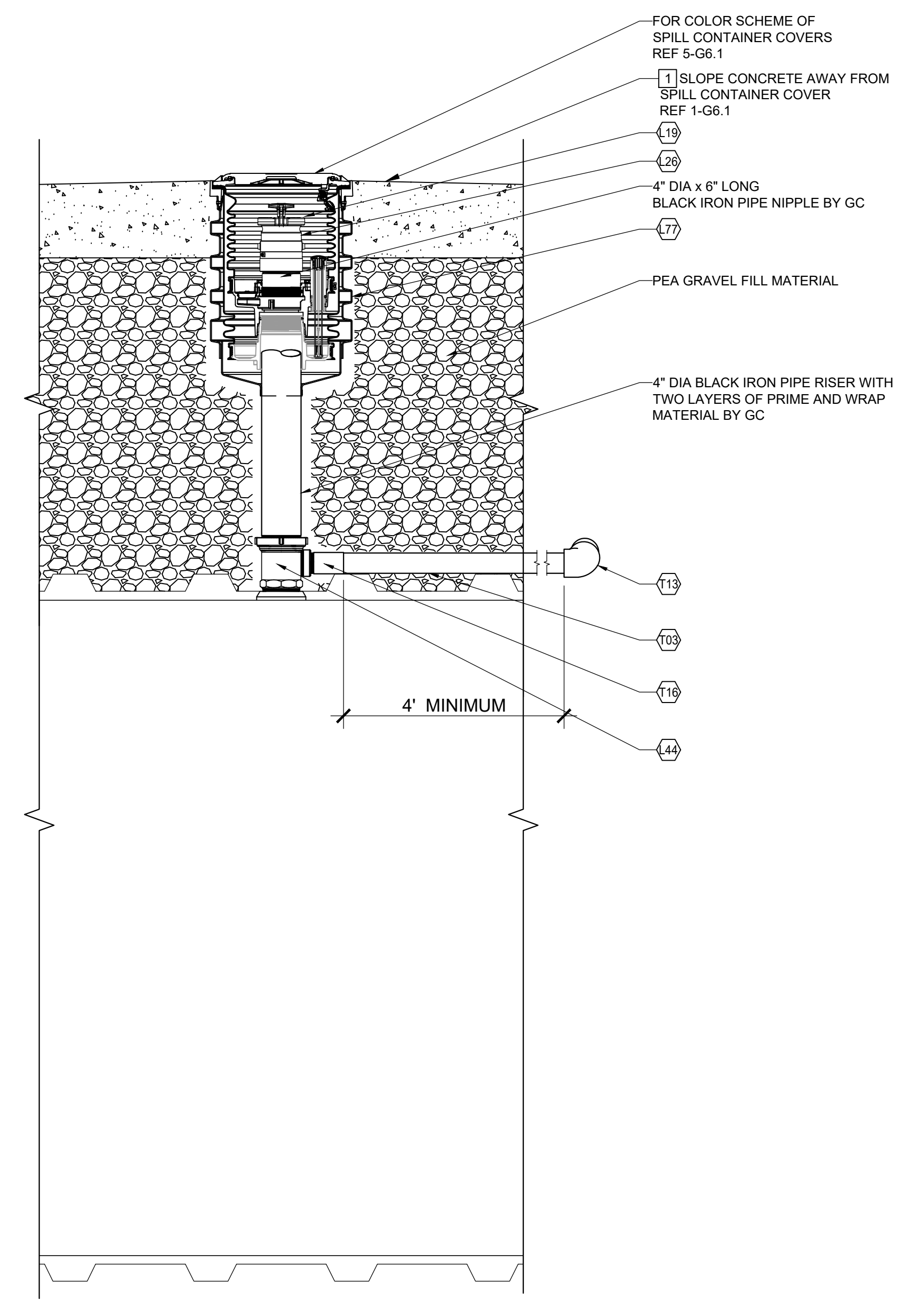
KEY NOTES

- CONCRETE SLAB, REF G0.1 FOR TOS ELEVATIONS. ALL MANHOLES COVERS WITHIN THE TANK SLAB AREA ARE TO BE SET 1" ABOVE THE FINISH GRADE AND SLOPE CONCRETE AWAY FROM MANWAY COVERS AT 2% GRADE. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING).
- SUMP SENSOR TO REST AT LOWEST POINT OF SUMP ENCLOSURE ON PRODUCT PIPING SIDE OF SUMP. TANK CONTRACTOR TO SUPPLY UNISTRUT BRACKETS, PIPE CLAMPS AND 2" FRP SLEEVE FOR 2-POINT MOUNTING OF THE SLEEVE.
- POSITION BALL VALVE FOR UNOBSTRUCTED USE OF SHUT-OFF HANDLE.
- OVERFILL PREVENTION VALVE INSTALLED PER MFR'S SPECIFICATIONS. SET OVERFILL DEVICE FOR RESTRICTION OF FLOW AT OR BELOW 90% TANK CAPACITY AND POSITIVE SHUT-OFF AT 95% TANK CAPACITY TO MEET NFPA 30 REQUIREMENTS

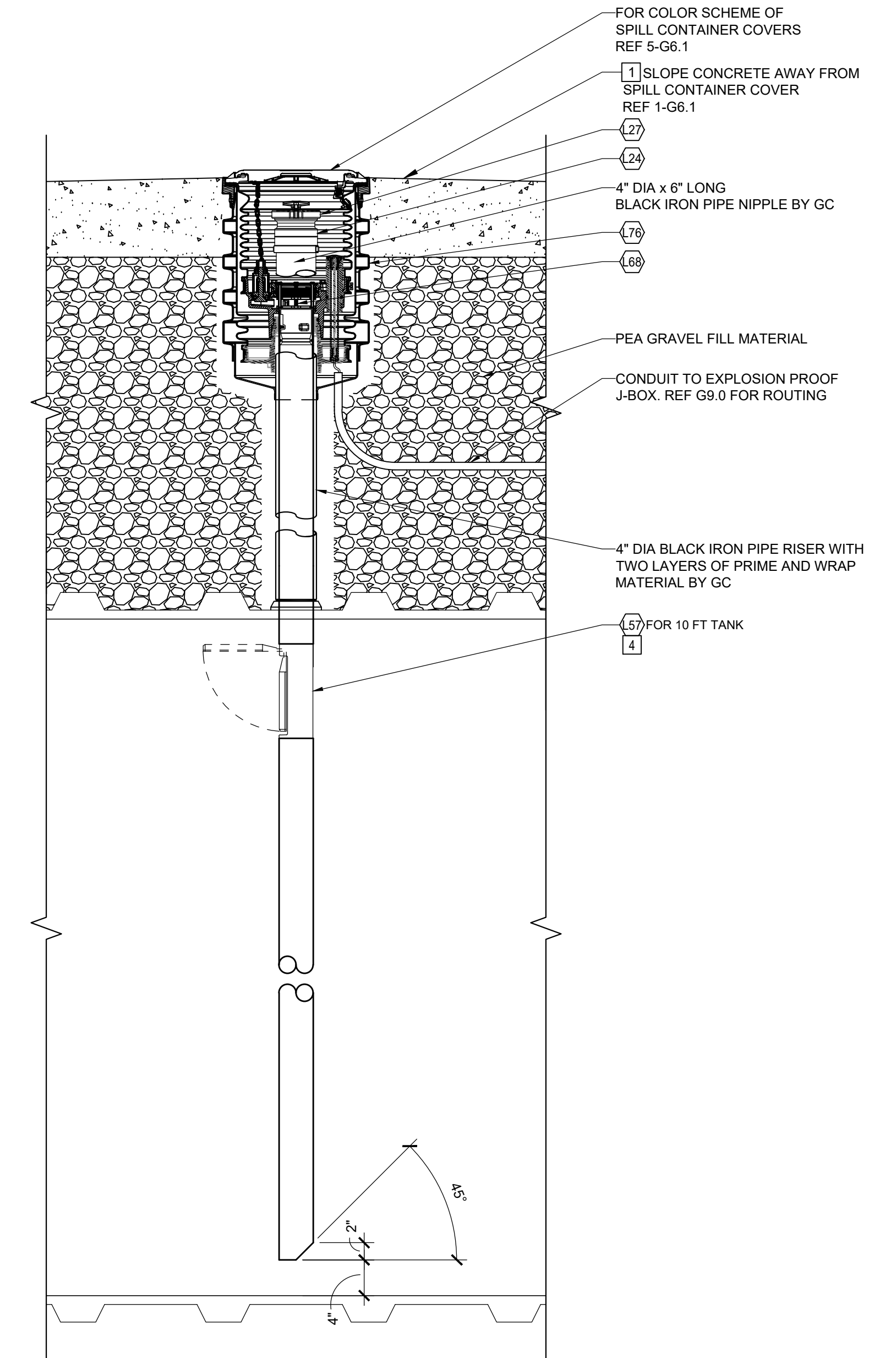
Rev. #	Date	Description
Proto	12-01-2020	



3 DIESEL VENT DETAIL
1"=1'-0"

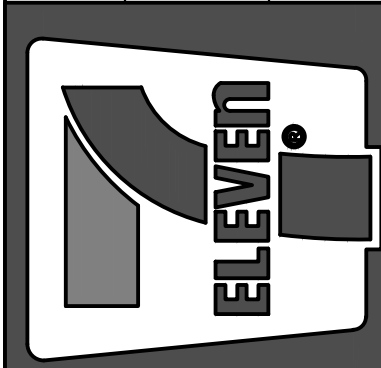


2 RUL / PUL VENT/VAPOR DETAIL
1"=1'-0"



1 FUEL FILL CONTAINER DETAIL
1"=1'-0"

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
TANK SUMP DETAILS



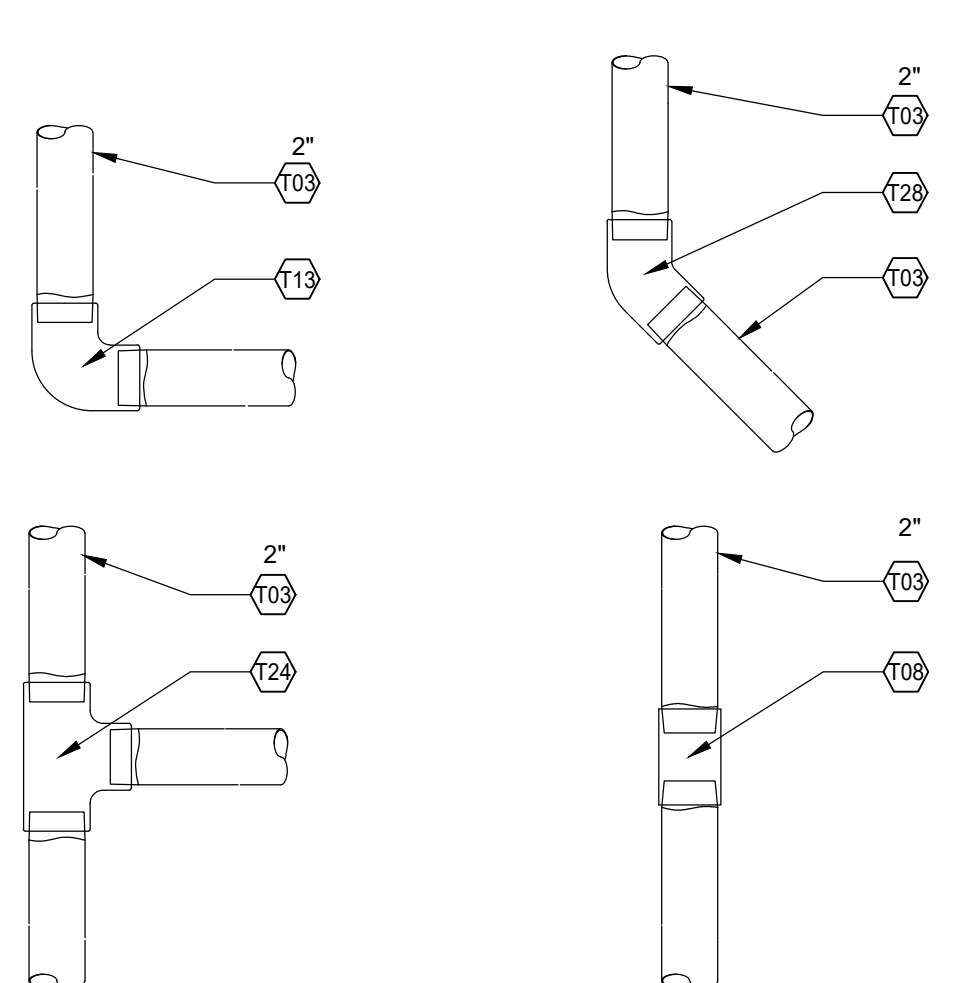
CORE STATES GROUP
ARCHITECTURAL ENGINEERING P.C.
44 East Main Street
Somerville, NJ 08876
CERTIFIED LEED ACCREDITED
CORE-10309.COM
TEL: 908.327.1000

Job#: SEI-32507
Scale: AS NOTED
Date: 08/24/21
Drawn By: GJD
Checked By: CGC

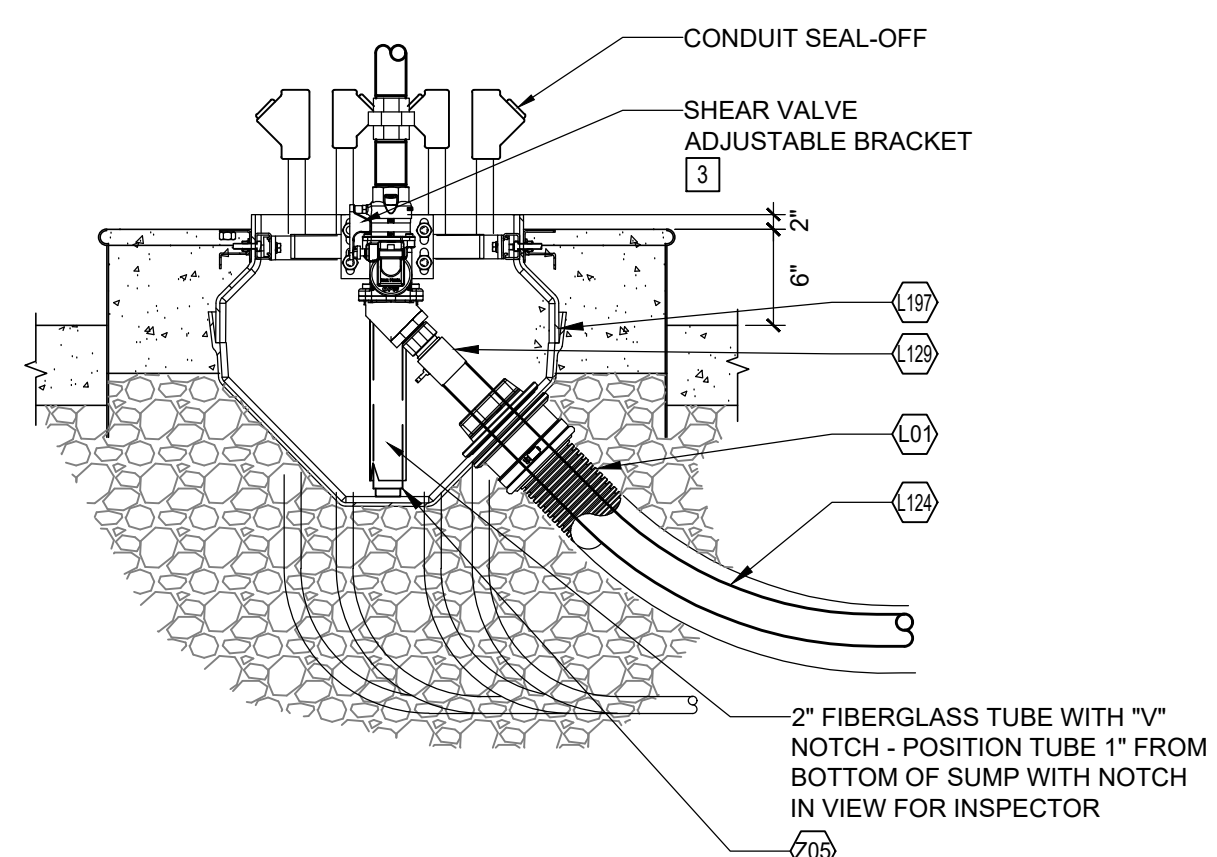
Documents prepared by Core States Group are for the specific project and specific use for which they are intended. Any extension of use for any other party, without the expressed, written consent of Core States Group is prohibited. In no way other than that specifically intended, user will hold Core States Group and its affiliates, agents and users, harmless.



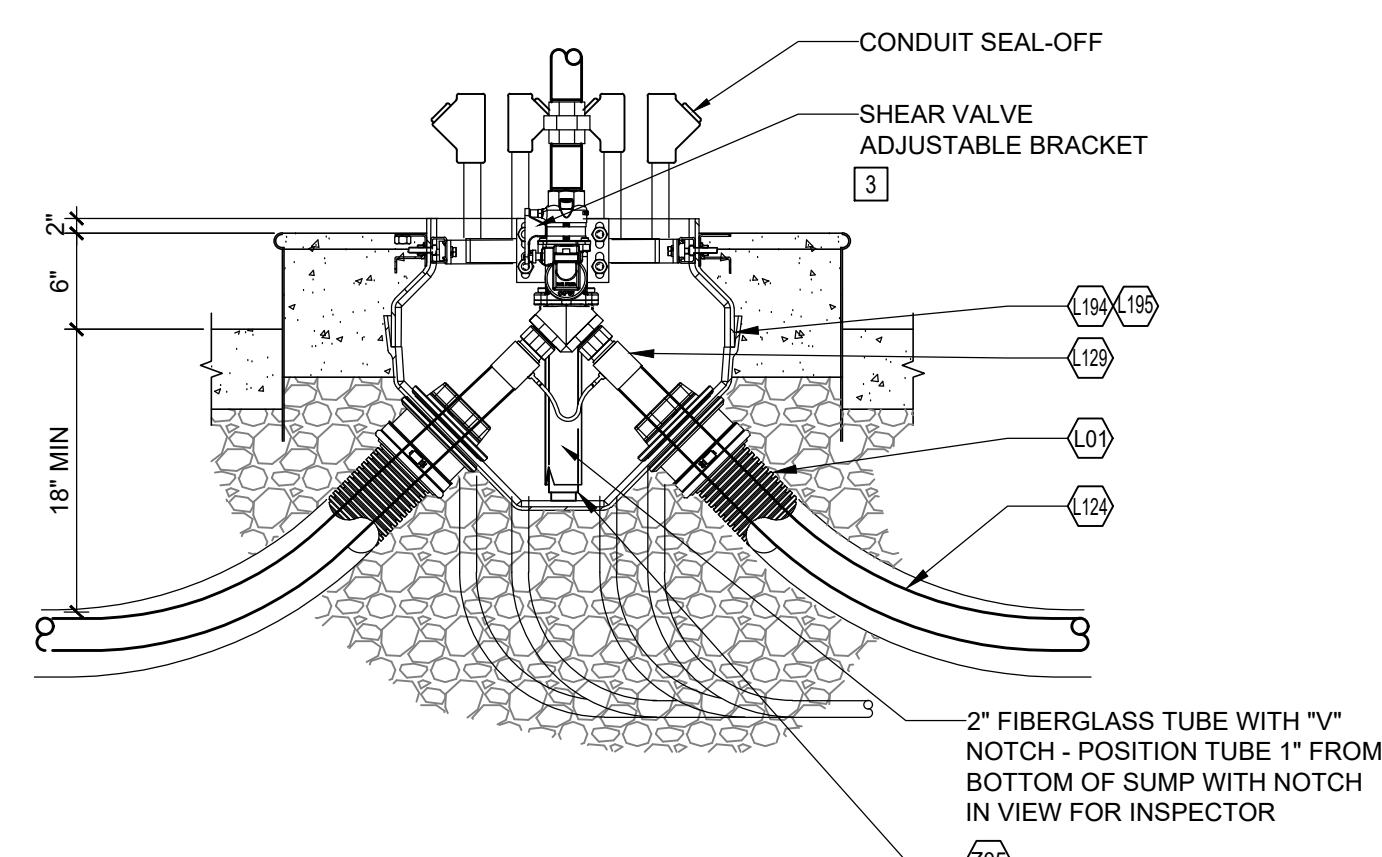
11-16-2021
SHEET: G4.1
FUELING - USA



4 PIPING CONNECTIONS
1" = 1'-0"

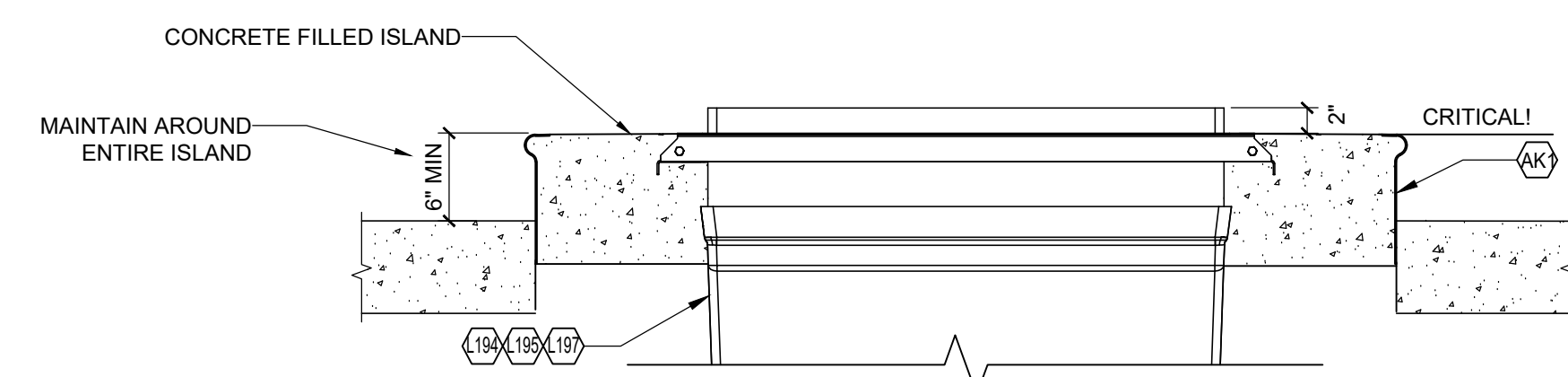


TERMINATING

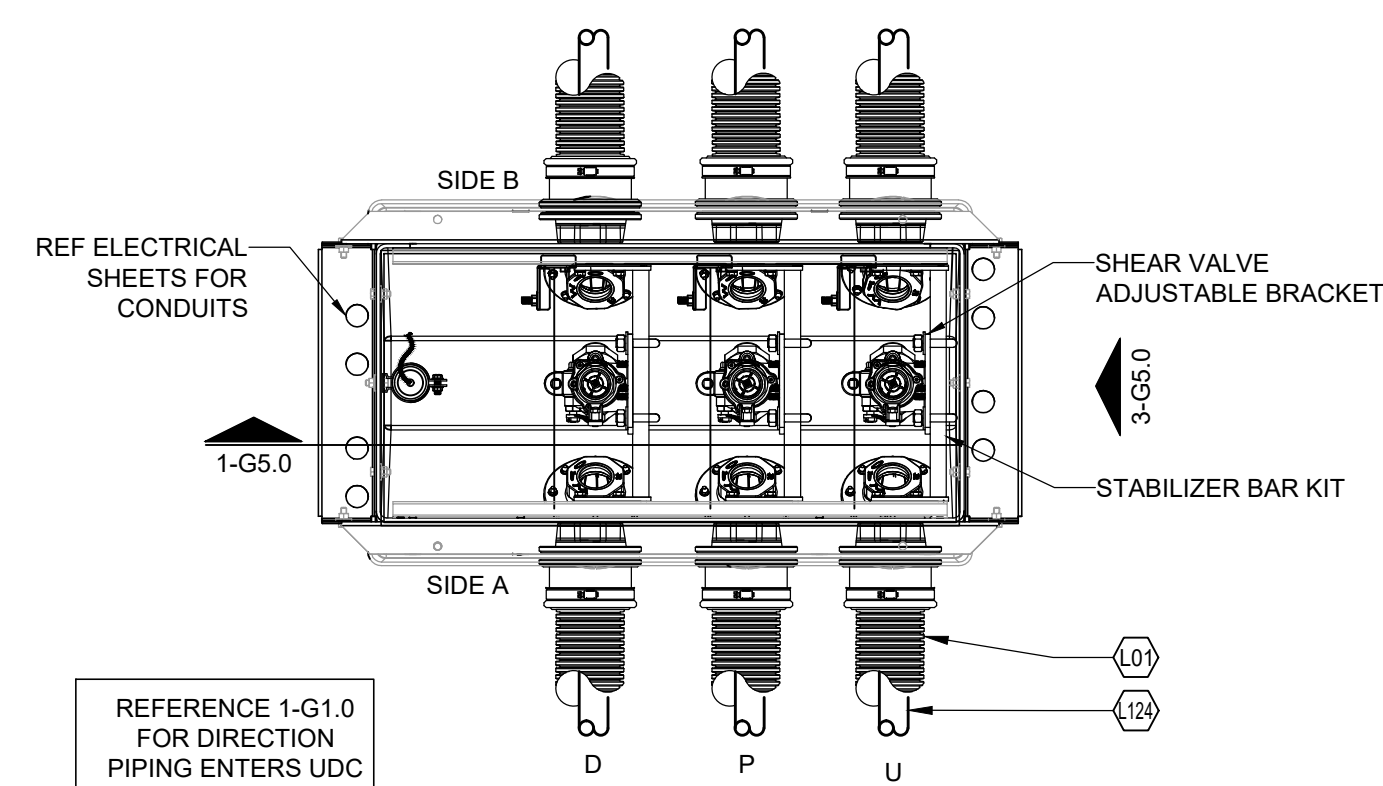


JUNCTION

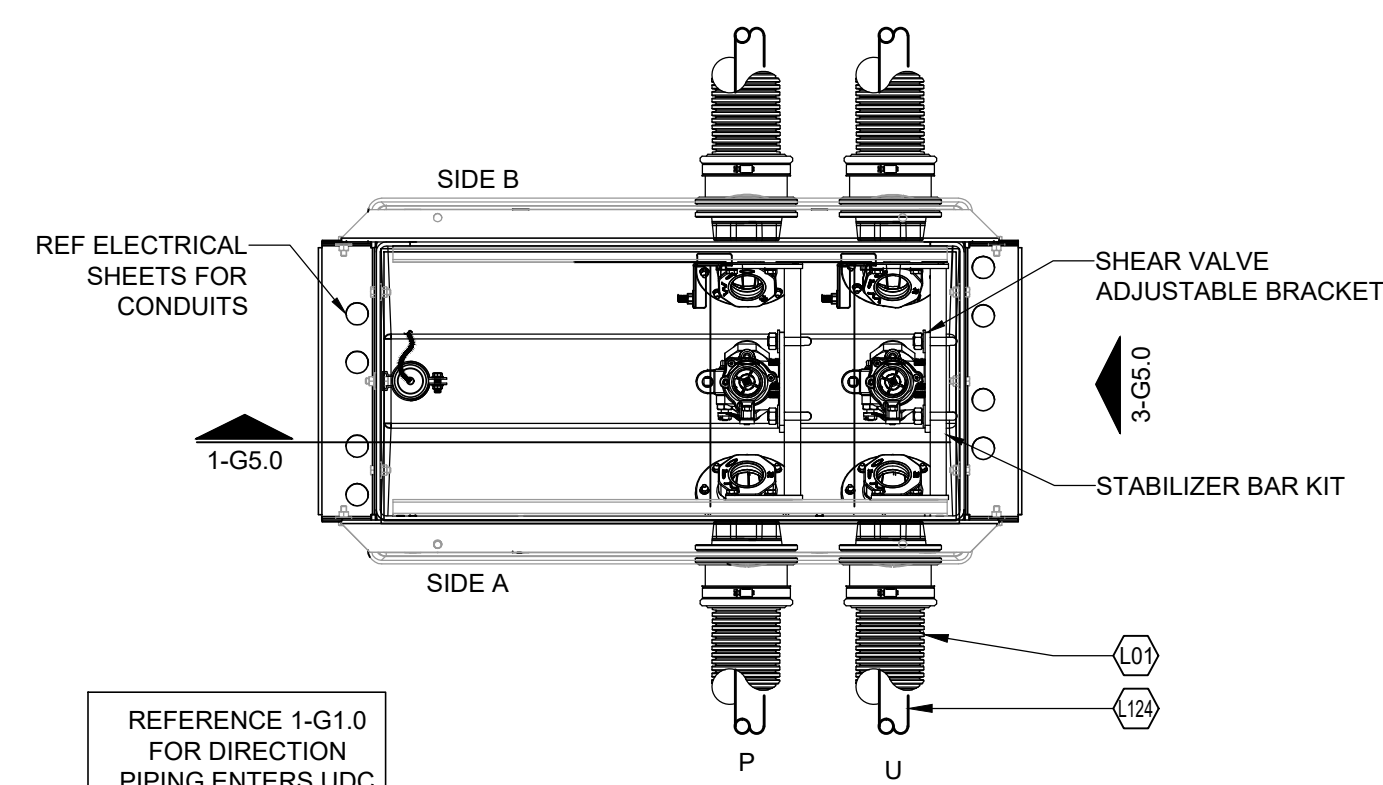
3 DISPENSER SUMP SECTION
1" = 1'-0"



5 DISPENSER SUMP ELEVATIONS
1" = 1'-0"

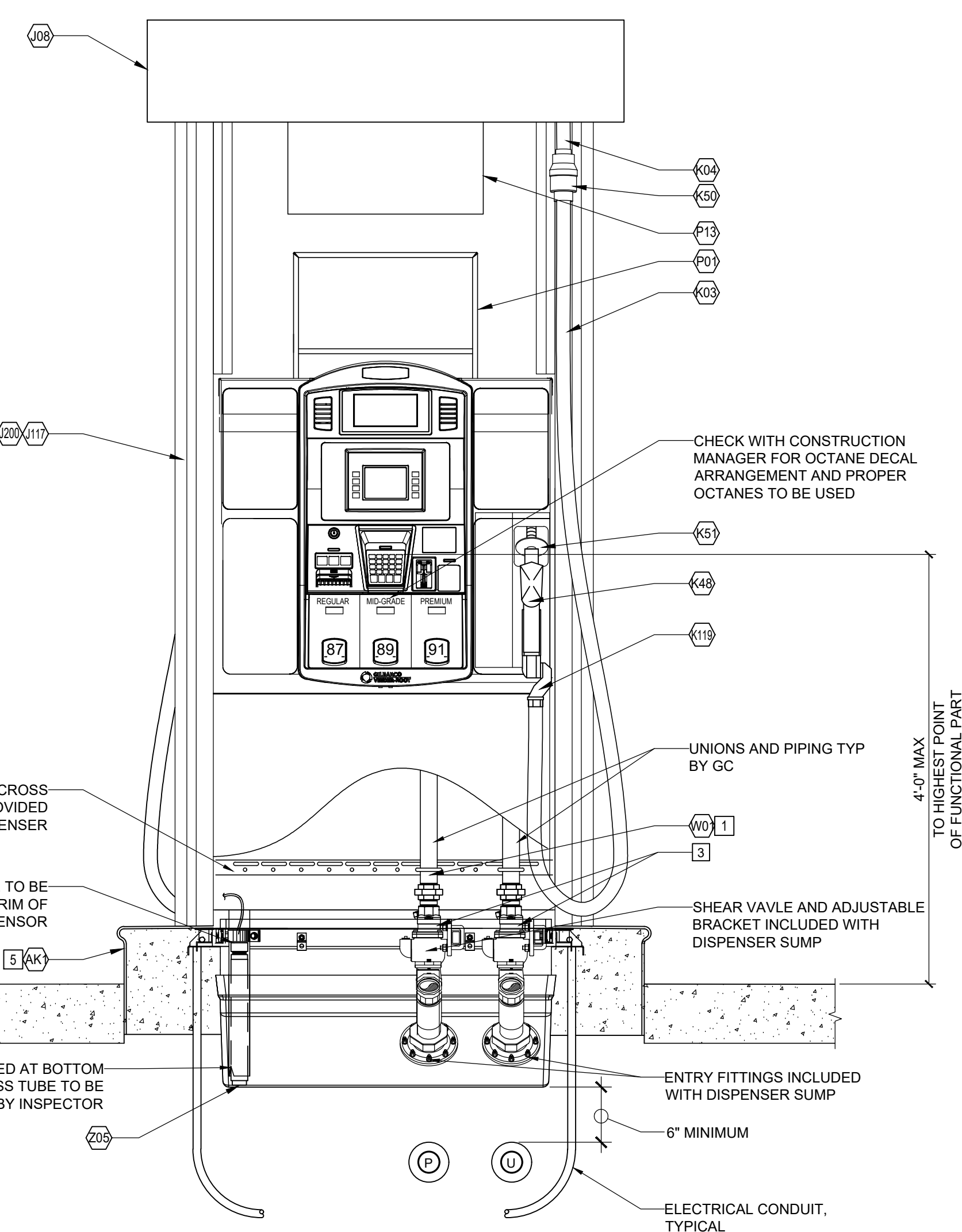


3+1 DISPENSER



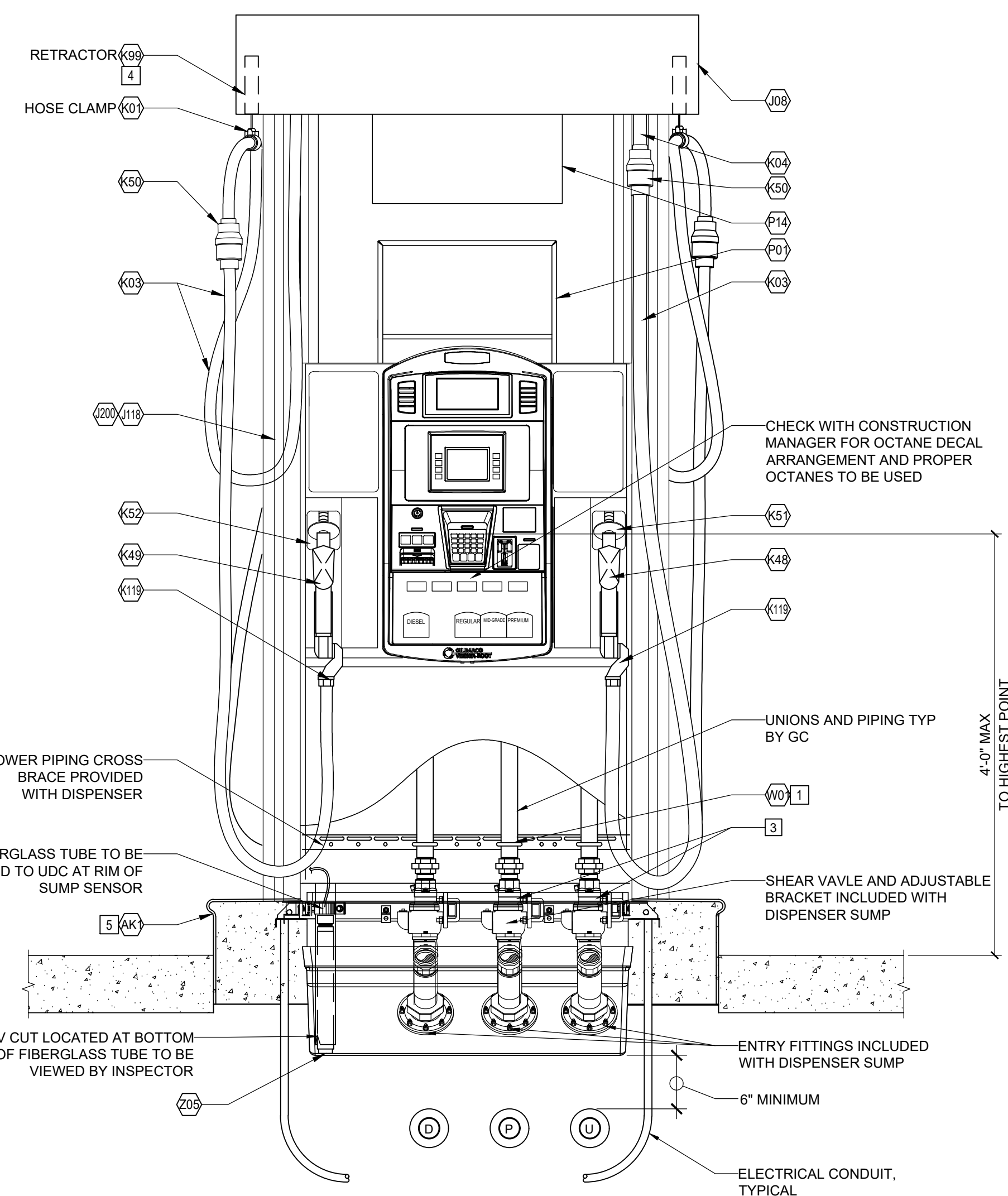
3+0 DISPENSER

2 DISPENSER SUMP - PLAN VIEWS
1" = 1'-0"



3+0 DISPENSER

1 GILBARCO ENCORE 700S DISPENSER
1" = 1'-0"



3+1 DISPENSER

GENERAL NOTES

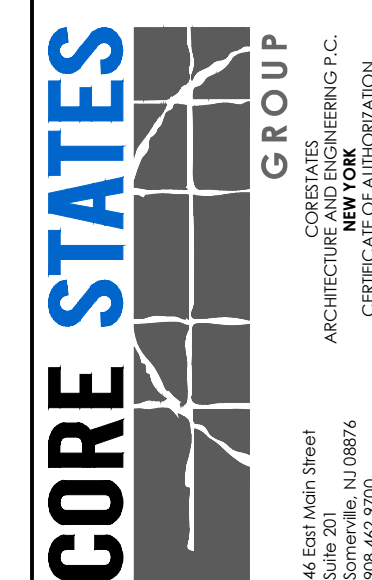
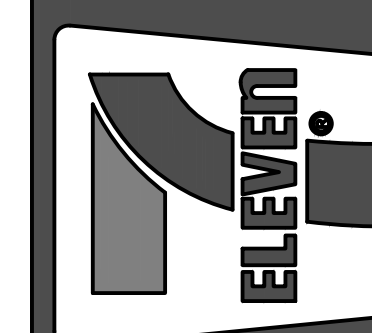
- AFTER ALL UNDERGROUND PIPING AND ELECTRIC CONDUITS ARE INSTALLED AND DURING EXCAVATION, BACKFILLING, AND CONCRETE POURING, A CONTINUOUS HYDROSTATIC TEST SHALL BE PERFORMED ON ALL SUMPS AND SPILL BUCKETS TO ENSURE TIGHTNESS AND PROPER INSTALLATION.
- SUMP TO BE CLEANED OF DEBRIS AND DRIED AFTER TESTING.

KEY NOTES

- SOURCE NORTH AMERICA TO SUPPLY U-BOLTS TO SECURE PIPING TO CROSS BRACKETS SUPPLIED BY GILBARCO.
- CRITICAL - MUST HAVE 2" RAIN LIP ABOVE INTEGRAL RAIN LIP FRAME.
- SHEAR SECTIONS OF SHEAR VALVES SHALL BE MOUNTED FLUSH WITH TOP OF PAVEMENT.
- HOSE RETRACTOR REQUIRES FIELD MODIFICATION, REF MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC USE.
- CROWN CONCRETE AT BASE OF ISLANDS TO PROMOTE DRAINAGE AND INHIBIT POOLING AROUND DISPENSER ISLANDS.

Rev #	Date	Description
1	12-01-2020	Proto 12-01-2020

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
DISPENSER AND SUMP DETAILS



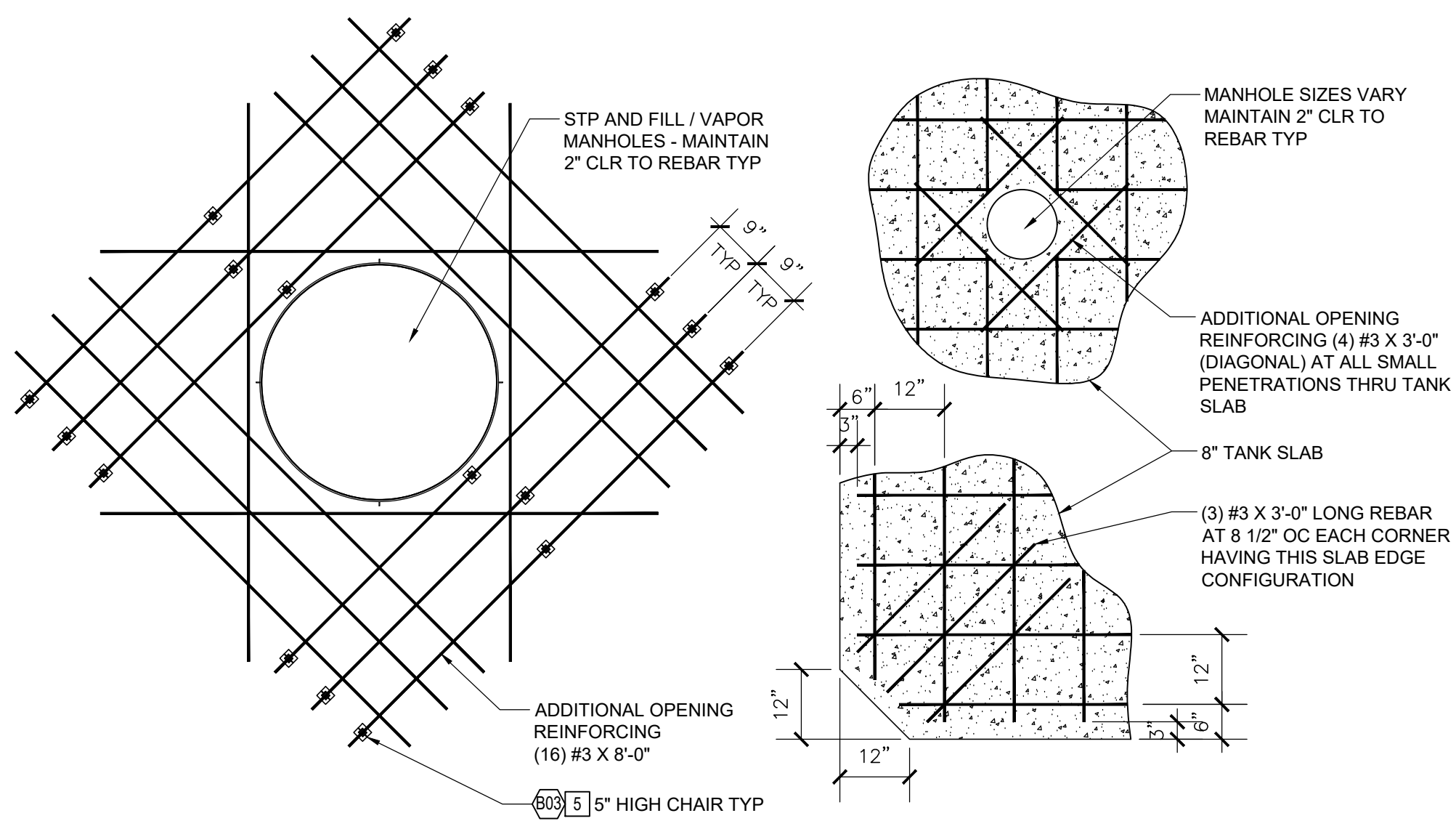
Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for the specific project and site only for the specific project and site. Any extension of use without the written consent of Core States Group is prohibited. Core States Group is not responsible for any other party's use of these documents in any way other than that specifically intended. User will hold Core States Group harmless from all claims and lawsuits.

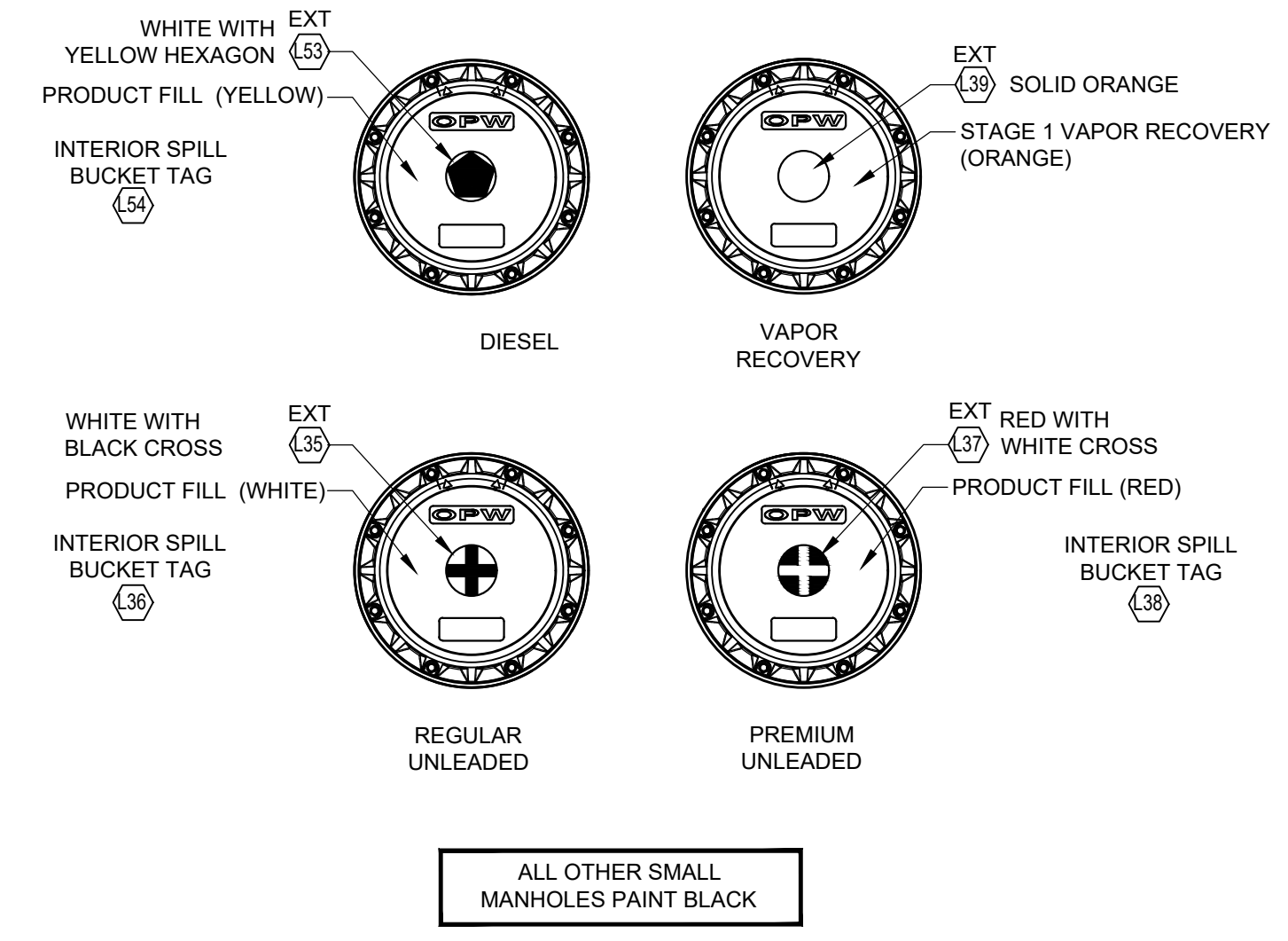


11-16-2021

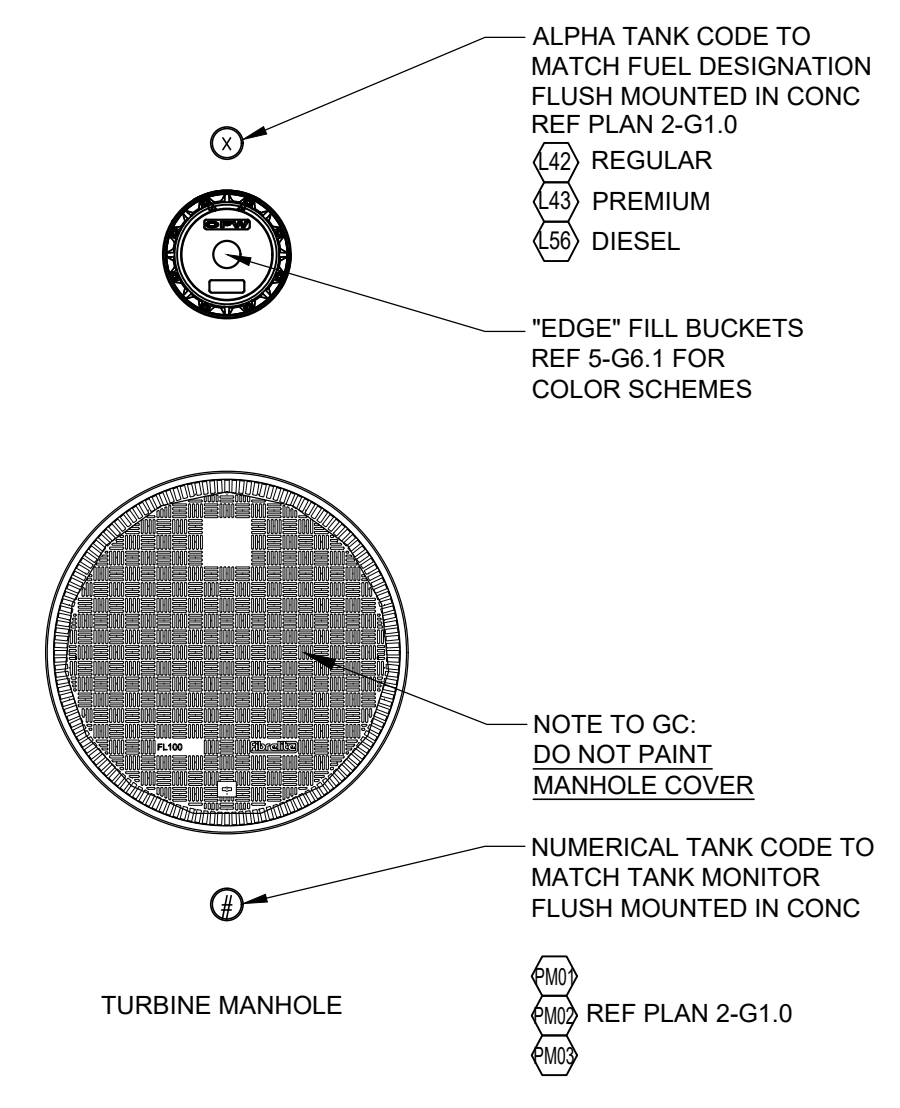
SHEET:
G5.0
FUELING - USA



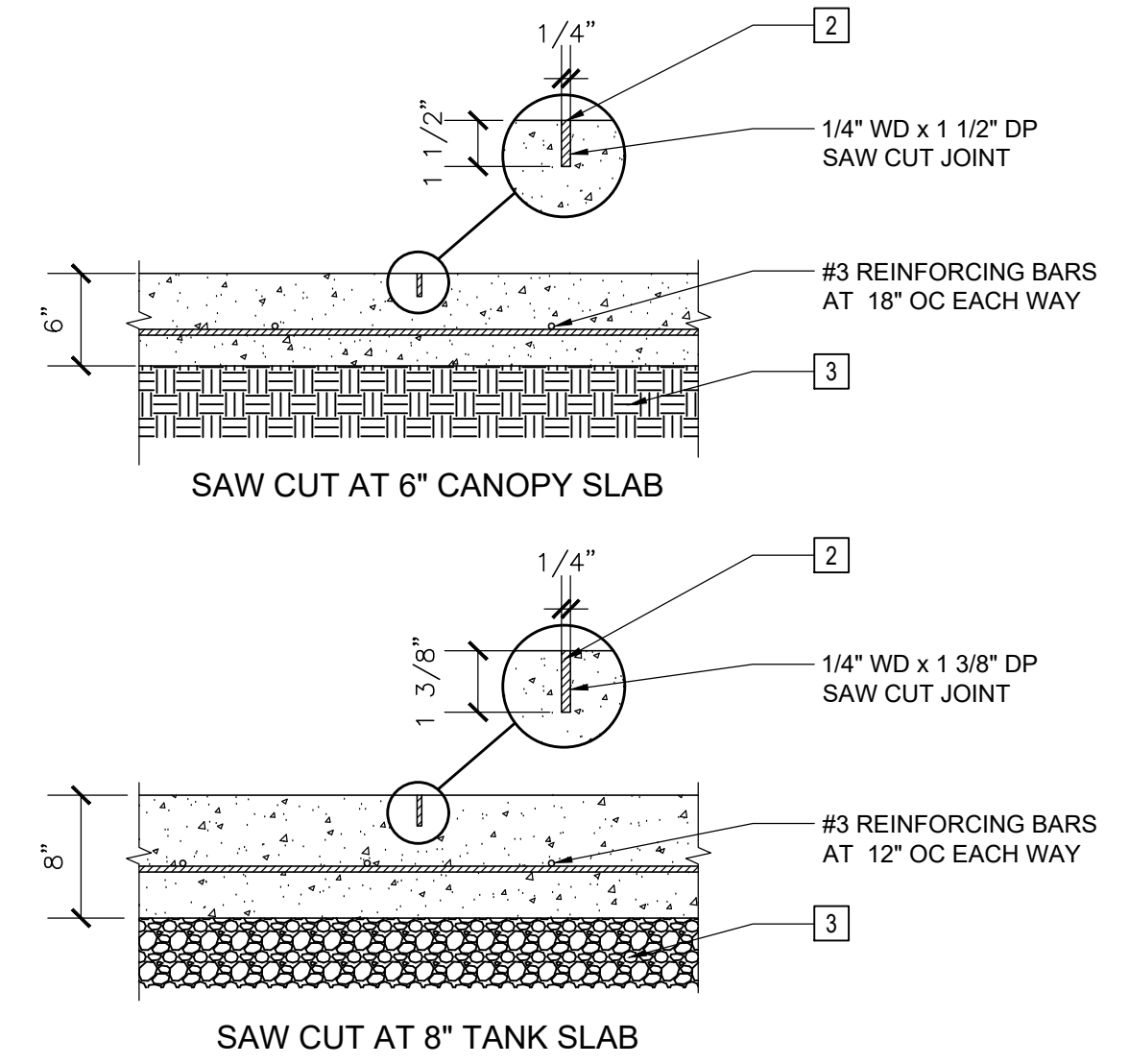
6 SLAB REINFORCING DETAILS
1/2"=1'-0"



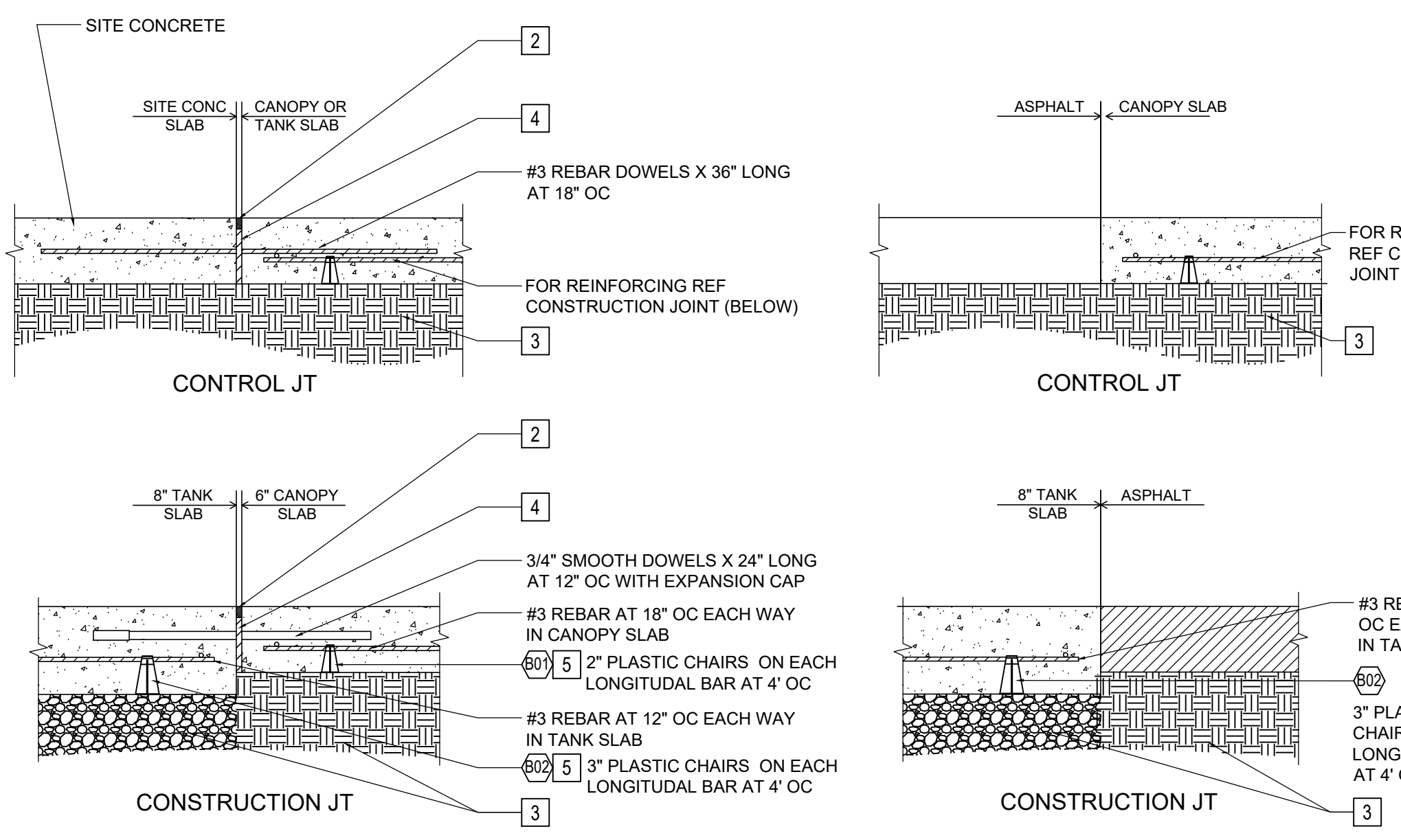
5 MANHOLE COLOR SCHEDULE
1/4"=1'-0"



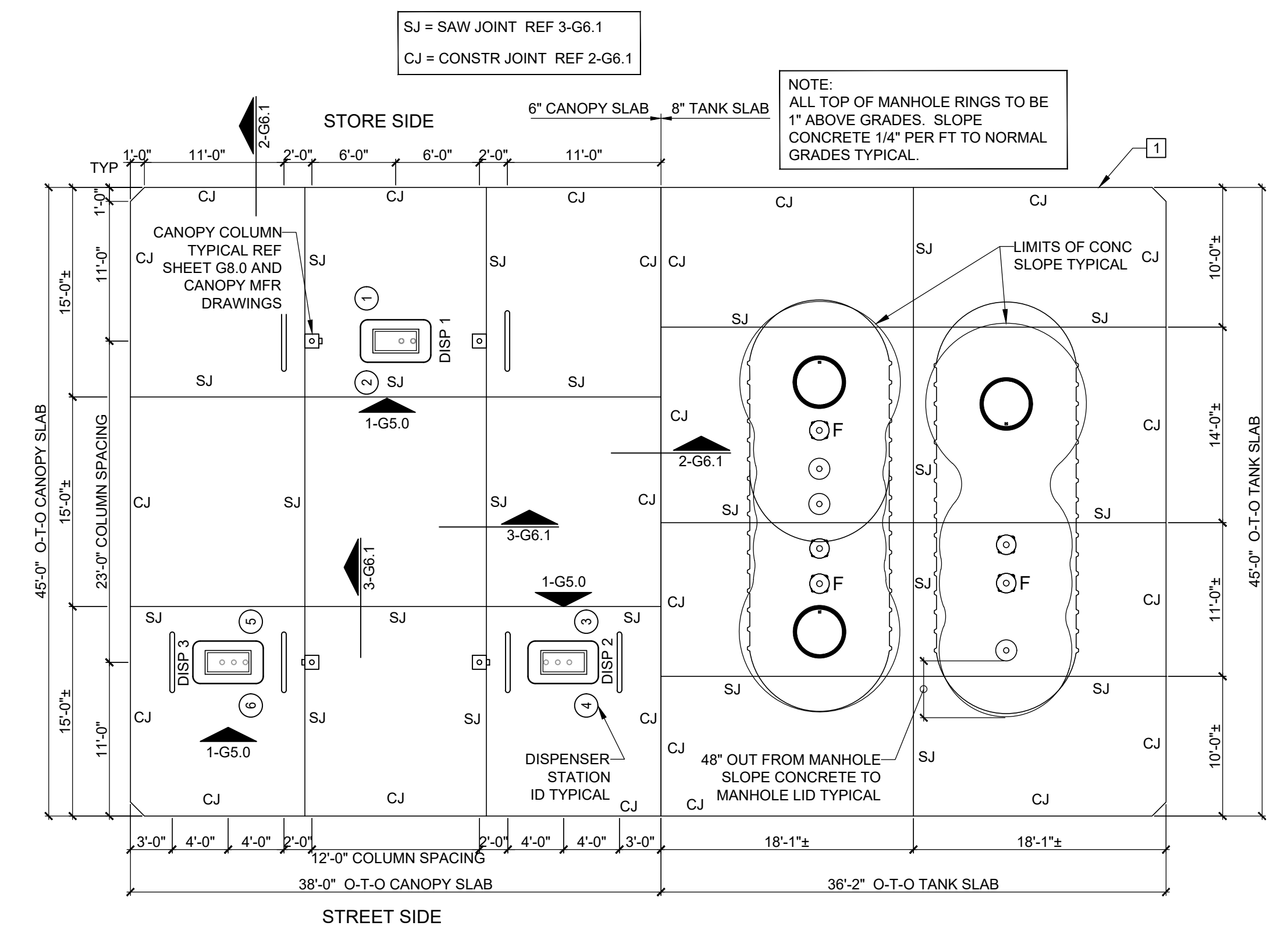
4 CONCRETE TAG AND MARKER DETAILS
1/2"=1'-0"



3 SAW CUT DETAILS
1/8"=1'-0"



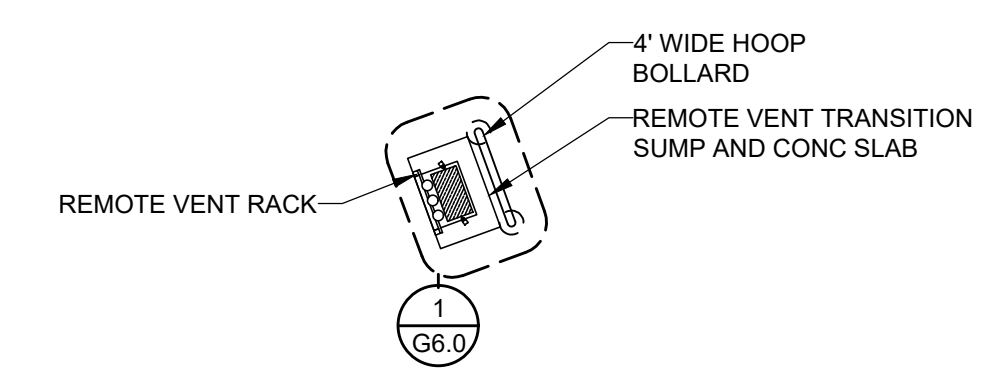
2 JOINT DETAILS
3/8"=1'-0"



1 FUEL AREA SLAB LAYOUT AND DIMENSIONAL PLAN
1/8"=1'-0"

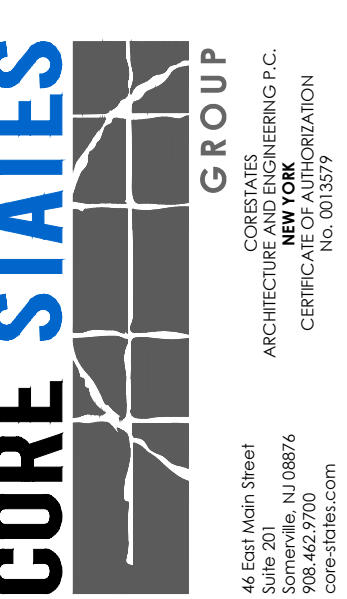
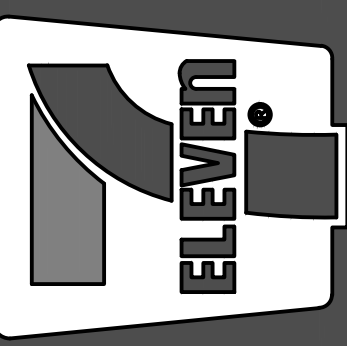
KEY NOTES

- CONCRETE SLAB. REF G0.1 FOR TOS ELEVATIONS. ALL MANHOLES WITHIN THE TANK SLAB AREA TO BE RAISED 1" ABOVE THE NORMAL GRADE OF CONCRETE. SLOPE CONCRETE TO MANHOLES 1/4" PER FT. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING).
- GASOLINE RESISTANT JOINT SEALING COMPOUND - REF SPEC SECTION V CONCRETE / PART 2 - PRODUCTS / 2.1.9.
- UNDISTURBED SOIL OR COMPACTED BACK FILL NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (AASHTO-T-180).
- 1/2" THICK ASPHALT IMPREGNATED EXPANSION JOINT MATERIAL.
- PLASTIC CASTLE CHAIRS PROVIDED BY SEI/SOURCE NA. REF G6.1 SHEET FOR CHAIR SIZES, TYPES AND LOCATIONS. REF G7.0 SHEET FOR QUANTITY.



Rev. #	Date	Description
Proto	12-01-2020	

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
FUELING DIMENSIONAL PLAN



Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for the specific project and site only for the specific project and intended use. Any extension of use beyond the intended use without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.



3M SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
A01	3	INTERCOM SPEAKERS / CALL SWITCH	78-8028-9195-8	06005002	3M	7-ELEVEN / SOURCE NA	GC
A02	1	6 CHANNEL INTERCOM SYSTEM	78-9236-2877-6	06005003	3M	7-ELEVEN / SOURCE NA	GC
A03	3	STAINLESS STEEL BACK ASSEMBLY	78-8028-9192-5	06005001	3M	7-ELEVEN / SOURCE NA	GC

DAYTON SUPERIOR SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
B01	640	PCC-205 2" - 2-1/4 CASTLE CHAIR (AZTEC)	121284	03124537	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA	GC
B02	540	PCC-305 3" - 3-1/4 CASTLE CHAIR (AZTEC)	121285	03124538	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA	GC
B03	110	PSC 5" - 5-1/4 CASTLE CHAIR (AZTEC)	127718	03124539	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA	GC

DCI SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
C02	3	COMBO 38 GALLON TRASH CAN/WASH STATION BLACK, GULF	755101	03124672	DCI	7-ELEVEN / SOURCE NA	GC

FE PETRO SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
E01	-	MAG VARIABLE FREQUENCY CONTROLLER	MAG-VFC	06006133	FE PETRO INC.	7-ELEVEN / SOURCE NA	GC
E04	3	CONTROL BOX W/ SWITCH	STP-CBS	06006137	FE PETRO INC.	7-ELEVEN / SOURCE NA	GC
E10	-	2 HP VARIABLE SPEED SUBMERSIBLE PUMP W/ INTAKE FILTER	STPKV52-VL2	03126506	FE PETRO INC.	7-ELEVEN / SOURCE NA	GC
E11	3	1.5 HP FIXED SPEED SUBMERSIBLE PUMP W/ INTAKE FILTER	STPK150-VL2	03126507	FE PETRO INC.	7-ELEVEN / SOURCE NA	GC
E17	3	DISPENSER HOOK ISOLATION BOX	STP-DHI	03430256	FE PETRO INC.	7-ELEVEN / SOURCE NA	GC

FIBRELITE/OPW SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
F19	3	40" SUBMERGED PUMP MANHOLE W/O SNOW PLOW RING	FL100BLACK-FC-KIT	03124662	FIBRELITE/OPW	7-ELEVEN / SOURCE NA	GC
F20	3	SKIRT FOR FL100	FL100-SK18	03124663	FIBRELITE/OPW	7-ELEVEN / SOURCE NA	GC

FLEXING SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
G02	3	2" MS X 2" F X 18 FIREFLEX FLEX CONNECTOR	FF20X18M346XF	03158182	FLEXING	7-ELEVEN / SOURCE NA	GC

GILBARCO SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
J08	3	GULF DISPENSER VALANCE	XXXXXX	03152475	GILBARCO	7-ELEVEN / GILBARCO	GC
J10	-	STP ISOLATION RELAY BOX	PA0287000000	00002274	GILBARCO	7-ELEVEN / GILBARCO	GC
J99	-	GULF PASSPORT SYSTEM - PX60 COMBO SERVER	XXXXXX	03152984	GILBARCO	7-ELEVEN / GILBARCO	GC
J117	1	ENCORE 700S 3+0 BLENDER NN1	XXXXXX	03153026	GILBARCO	7-ELEVEN / GILBARCO	GC
J118	2	ENCORE 700S 3+1 BLENDER+DSL NL1	XXXXXX	03153029	GILBARCO	7-ELEVEN / GILBARCO	GC
J123	1	D BOX FOR EDH/PASSPORT PA03060020	XXXXXX	03152567	GILBARCO	7-ELEVEN / GILBARCO	GC
J200	3	GULF IMAGE UPCHARGE FOR ENCORE DISPENSERS	XXXXXX	03153057	GILBARCO	7-ELEVEN / GILBARCO	GC

HANGING HARDWARE SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
K03	14	3/4" X 8" FLEXSTEEL HARDWALL HOSE	GY34X8MXM	03124651	SOURCENA	7-ELEVEN / SOURCE NA	GC
K04	6	3/4" X 8" FLEXSTEEL WHIP HOSE	GY34X8MXMWHIP	03124652	SOURCENA	7-ELEVEN / SOURCE NA	GC
K48	6	3/4" CONVENTIONAL NOZZLE	11BP-0400	03158382	OPW	7-ELEVEN / SOURCE NA	GC
K49	4	3/4" NOZZLE FOR DIESEL	11B-0100	03158387	OPW	7-ELEVEN / SOURCE NA	GC
K50	10	3/4" CONVENTIONAL BREAKAWAY	66REC-1000	03158383	OPW	7-ELEVEN / SOURCE NA	GC
K51	6	3/4" SPLASHGUARD FOR CONVENTIONAL NOZZLE	8BL-0400	03158389	OPW	7-ELEVEN / SOURCE NA	GC
K52	4	DIESEL SPLASHGUARD	8G-0100	03158390	OPW	7-ELEVEN / SOURCE NA	GC
K99	2	HOSE RETRACTOR FOR ENCORE (1 PER DISPENSER)	6102-EC01	03305104	OPW	7-ELEVEN / SOURCE NA	GC
K01	4	3/4" HOSE CLAMP (1-1/8" OD) - 2 PER RETRACTOR KIT	BP-1394	03305105	SVI	7-ELEVEN / SOURCE NA	GC
K119	10	CONVENTIONAL NOZZLE HOSE SWIVEL	45-5060	03126565	OPW	7-ELEVEN / SOURCE NA	GC

OPW SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
L01	500'	4" ACCESS PIPE - 250 FT BOX	AXP-40-250	03158339	OPW	7-ELEVEN / SOURCE NA	GC
L11	2	2" PRESSURE VACUUM VENTING CAP	623V-2203	06159288	OPW	7-ELEVEN / SOURCE NA	GC
L18	3	18" MANHOLE ASSY (ANNULAR AND DIESEL VENT)	104A-1800WT	06006209	OPW	7-ELEVEN / SOURCE NA	GC
L19	2	VAPOR CAP	1711T-7085-EVR	06006180	OPW	7-ELEVEN / SOURCE NA	GC
L24	3	FILL SWIVEL ADAPTER	61SALP-1020-EVR	06006214	OPW	7-ELEVEN / SOURCE NA	GC
L26	2	VAPOR RECOVERY SWIVEL ADAPTER	61VSA-1020-EVR	06006221	OPW	7-ELEVEN / SOURCE NA	GC
L27	3	TOP SEAL CAP EVR	634TT-7085-EVR	06006226	OPW	7-ELEVEN / SOURCE NA	GC
L30	3	2" BALL VALVE	21BV-0200	03158393	OPW	7-ELEVEN / SOURCE NA	GC
L35	1	TANK TAG EXTERIOR SPILL BUCKET (REGULAR UNLEADED)	1TAG-1000	06006187	OPW	7-ELEVEN / SOURCE NA	GC
L36	1	TANK TAG - INTERIOR SPILL BUCKET (REGULAR UNLEADED)	1TAG-1010	06006188	OPW	7-ELEVEN / SOURCE NA	GC
L37	1	TANK TAG EXTERIOR SPILL BUCKET (PREMIUM UNLEADED)	1TAG-3000	06006191	OPW	7-ELEVEN / SOURCE NA	GC
L38	1	TANK TAG - INTERIOR SPILL BUCKET (PREMIUM UNLEADED)	1TAG-3010	06006192	OPW	7-ELEVEN / SOURCE NA	GC
L39	2	EXTERIOR VAPOR RECOVERY TANK TAG	1TAG-7000	06006195	OPW	7-ELEVEN / SOURCE NA	GC
L40	-	CONCRETE TANK MARKER (TANK GAUGE #1)	106N-1100	06006170	OPW	7-ELEVEN / SOURCE NA	GC
L41	-	CONCRETE TANK MARKER (TANK GAUGE #2)	106N-2200	06006171	OPW	7-ELEVEN / SOURCE NA	GC
L42	1	CONCRETE TANK MARKER (REGULAR UNLEADED)	106U-0125	06006175	OPW	7-ELEVEN / SOURCE NA	GC
L43	1	CONCRETE TANK MARKER (PREMIUM UNLEADED)	106P-0150	06006174	OPW	7-ELEVEN / SOURCE NA	GC
L44	3	4x2 TEE EXTRACTOR FITTING	233-4420	03158332	OPW	7-ELEVEN / SOURCE NA	GC
L45	1	DIESEL ATMOSPHERIC VENT VALVE	23-0033	06005039	OPW	7-ELEVEN / SOURCE NA	GC
L53	1	TANK TAG - EXTERIOR SPILL BUCKET (DIESEL)	1TAG-4000	06006193	OPW	7-ELEVEN / SOURCE NA	GC
L54	1	TANK TAG - INTERIOR SPILL BUCKET (DIESEL)	1TAG-4010	06006194	OPW	7-ELEVEN / SOURCE NA	GC
L56	1	CONCRETE TANK MARKER (DIESEL)	106DL-0095	06006169	OPW	7-ELEVEN / SOURCE NA	GC
L57	3	4" DROP TUBE WITH DUAL OVERFLOW VALVE 5FT BURY - 10FT TANK	71SO-410C	03158324	OPW	7-ELEVEN / SOURCE NA	GC
L58	1	DIESEL VENT PIPE CAP	116-7085	03185354	OPW	7-ELEVEN / SOURCE NA	GC
L68	3	JACK SCREW FOR CAST BASE SPILL CONTAINER	61JSK-44CB	03158161	OPW	7-ELEVEN / SOURCE NA	GC
L72	-	CONCRETE TANK MARKER (TANK GAUGE #3)	106N-3300	06006172	OPW	7-ELEVEN / SOURCE NA	GC
L76	3	DOUBLEWALL SPILL BUCKET w/ SENSOR (FILL)	1C-3132D-50	03124688	OPW	7-ELEVEN / SOURCE NA	GC
L77	2	DOUBLEWALL SPILL BUCKET (VAPOR)	1C-3112P	03115701	OPW	7-ELEVEN / SOURCE NA	GC
L115	3	MALE ADAPTER FITTING	SMA-1520	06006113	OPW	7-ELEVEN / SOURCE NA	GC
L124	500'	1.5" DW FLEX PIPE - 250 FT BOX	C15A-250	03158338	OPW	7-ELEVEN / SOURCE NA	GC
L129	16	1.5" OPW SWIVEL DW PIPE COUPLING	DPC-2150A	03124596	OPW	7-ELEVEN / SOURCE NA	GC
L130	5	TEST JUMPER TUBE	TCT-2509	03124576	OPW	7-ELEVEN / SOURCE NA	GC
L131	6	TERMINATION TEST JUMPER TUBE	TTT-2536	03124575	OPW	7-ELEVEN / SOURCE NA	GC
L163	3	RIGID ENTRY FITTING 4 x 1.5"	REF-4015	03124570	OPW	7-ELEVEN / SOURCE NA	GC
L194	1	DISPENSER SUMP - ENCORE (3 IN/3 OUT)	DSLFR-15-1836-2R-123567	XXXXXXX	OPW	7-ELEVEN / SOURCE NA	GC
L195	1	DISPENSER SUMP - ENCORE (3 IN/2 OUT)	DSLFR-15-1836-2R-12567	XXXXXXX	OPW	7-ELEVEN / SOURCE NA	GC
L196	-	DISPENSER SUMP - ENCORE (3 IN/0 OUT)	DSLFR-15-1836-2R-123	XXXXXXX	OPW	7-ELEVEN / SOURCE NA	GC
L197	1	DISPENSER SUMP - ENCORE (2 IN/0 OUT)	DSLFR-15-1836-2R-56	XXXXXXX	OPW	7-ELEVEN / SOURCE NA	GC

SEI EQUIPMENT SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
DX1	-	DEX FUEL CONTROLLER KIT (per quote)	XXXXXXX	03430253	SEI	7-ELEVEN / SOURCE NA	GC
DX2	-	7-ELEVEN BRAND CANOPY COLUMN FLAG (2 PER DISPENSER COLUMN)	FS2	03430247	JIMCO	7-ELEVEN / SOURCE NA	GC

PEMCO SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
PM01	1	CONCRETE TANK MARKERS (#4)	031-4	06006233	PEMCO	7-ELEVEN / SOURCE NA	GC
PM02	1	CONCRETE TANK MARKERS (#5)	031-5	06006234	PEMCO	7-ELEVEN / SOURCE NA	GC
PM03	1	CONCRETE TANK MARKERS (#6)	031-6	06006235	PEMCO	7-ELEVEN / SOURCE NA	GC

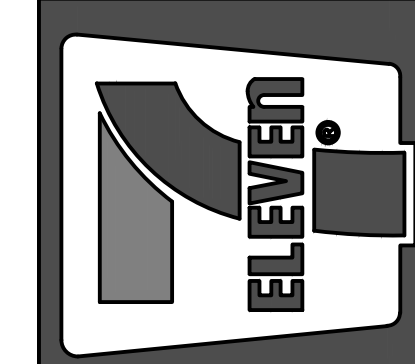
Rev. #	Date	Description

Proto 12-01-2020

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063

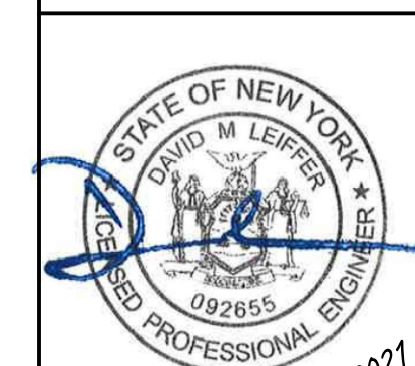
7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598

EQUIPMENT SCHEDULES



Job#: SEI-32507
Scale: AS NOTED
Date: 08/24/21
Drawn By: GJD
Checked By: CGC

Documents prepared by Core States Group are for the specific project and specific use for which they are intended. Any extension of use for any other party, without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.



11-16-2021

SHEET: G7.0

FUELING - USA

LIGHT FIXTURE SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
M22	12	CREE LED UNDER CANOPY LIGHTING	CPY250-B-DM-F-13L-UL-WH-57K-HZ	XXXXXXX	CREE	7-ELEVEN / GRAYBAR	GC

MASTER LOCK SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
N01	2	SERIES 175 TUMBLER LOCK	175	03185351	MASTER LOCK	7-ELEVEN / SOURCE NA	GC

MAY ADVERTISING SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
P01	3	DISPENSER PUMP TOPPER	CT-XL	03158215	MAY ADVERTISING	7-ELEVEN / SOURCE NA	GC
P13	1	THREE PRODUCT PUMP TOPPER PRICE SIGN (NY ST)	PTH-1025-3XW-WIN-711-NYST	03305115	EMPRO	7-ELEVEN / SOURCE NA	GC
P14	2	FOUR PRODUCT PUMP TOPPER PRICE SIGN (NY ST)	PTH-1025-4XW-WIN-711-NYST	03305116	EMPRO	7-ELEVEN / SOURCE NA	GC

PIPE RISER SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
Q01	1	7" THIN WALL PIPE RISER	484RISER	03185353	GENERAL PIPE MANUF.	7-ELEVEN / SOURCE NA	GC

POWER INTEGRITY SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
R01	1	E-STOP SWITCH RED INCLUDES RED COVER WITH TWIST	IA-ESOCA/T/RD	03158209	POWER INTEGRITY	7-ELEVEN / SOURCE NA	GC
R02	1	DISPENSER DATA / LOW VOLTAGE DISCONNECT	DDS-A8D4E	03430255	POWER INTEGRITY	7-ELEVEN / SOURCE NA	GC
R04	1	E-STOP (CASHIER CONTROL STATION WITH PROTECTIVE SHROUD)	IA-ESORS	XXXXXXX	POWER INTEGRITY	7-ELEVEN / SOURCE NA	GC

S. BRAVO SYSTEM SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
S01	6	3/4" ROB ROY FITTING	F-17-RR-7-11	03115710	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA	GC
S03	1	VAPOR VENT RACK	RS500JP-3S	03158039	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA	GC
S05	1	FIBERGLASS VAPOR VENT REMOTE SUMP	B900JPF-3SB	03158049	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA	GC

SMITH FIBERCAST VAPOR / VENT PIPING SCHEDULE

ITEM NO.	LGTH	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
T01	25'	4" SECONDARY PIPING (USE 25 FT LENGTHS)	011040-069-2	06006331	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T03	375'	2" PRIMARY PIPING (USE 25 FT LENGTHS)	011020-069-2	06006328	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC

SMITH FIBERCAST SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
T08	9	2" PRIMARY SLEEVE COUPLING	012020-101-8	06006255	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T13	14	2" PRIMARY 90 ELBOW	012020-360-4	06006261	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T16	6	2" BELL X M	012020-191-4	06006256	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T24	-	2" PRIMARY TEE	012020-410-4	06006262	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T28	-	2" 45 PRIMARY ELBOW	012020-310-4	06006260	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T29	31	DS-8069 9.03 ADHESIVE KIT	022990-033-9	06006288	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T31	4	4" BELL X MALE	012040-191-4	06006278	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC
T32	3	2" BONDED FITTING (SINGLE WALL)	012020-622-0	03158380	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA	GC

FIRE EXTINGUISHER

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
U01	2	PORTABLE FIRE EXTINGUISHER	3020	03158046	POTTER ROEMER	7-ELEVEN / SOURCE NA	GC
U02	2	FIRE EXTINGUISHER CABINET	105-20-RRC-H	03185372	CATO	7-ELEVEN / SOURCE NA	GC

TYPAR FILTER FABRIC SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
V01	4	FILTER FABRIC 12- 1/2" X 300'	TYPAR-3401	06006313	TYPAR	7-ELEVEN / SOURCE NA	GC

U BOLT SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
W01	8	U-BOLT ENCORE	M007038002	03185374	MISCELLANEOUS PARTS	7-ELEVEN / SOURCE NA	GC

UNITED SIGN SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
X01	1	EMERGENCY SHUT OFF SWITCH SIGN	U-MS-76	06005037	UNITED SIGN	7-ELEVEN / SOURCE NA	GC

VAPORLESS MANUFACTURING SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
Y01	3	MECHANICAL LINE LEAK DETECTOR	99LD-2000-S	06006314	VAPORLESS MANUFACTURING	7-ELEVEN / SOURCE NA	GC

VEEDER ROOT SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
Z02	2	8 INPUT TANK SENSOR MODULE	329358-001-SPARE	06005049	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z05	6	LIQUID SUMP SENSOR	794380-208	06005066	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z06	5	4" ANNULAR / PROBE CAP	330020-282	06005053	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z18	1	4 INPUT TANK PROBE MODULE	329358-002-SPARE	06005047	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z08	-	7-11 ISP KIT	330020-409	06005054	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z09	-	DISPENSER INTERFACE MODULE (TIDEL)	330280-801	06005059	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z10	-	ETHERNET TCP/IP COMMUNICATION MODULE	330020-425	03158077	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z13	-	TLS 350R W/PRINTER BUSINESS	848290-122	06005075	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z14	2	10 FT. INTERSTITIAL TANK SENSOR	794390-409	03158249	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z16	1	4" FLOAT KIT FOR DIESEL	846400-001	03158176	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z75	-	RS232 INTERFACE (DUAL PORT MODULE) MAINTENANCE TRACKER	330586-017-SPARE	03430170	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z52	1	FOUR-RELAY OUTPUT INTERFACE MODULE	329359-001-SPARE	06005051	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z37	-	FOUR INPUT PUMP SENSE MODULE	329999-001	06005158	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z87	-	DISPENSER INTERFACE MODULE G-SITE	330280-401-SPARE	03158201	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z42	1	G-SITE INSTALL KIT	331063-100	03158202	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z55	2	PHASE II FLOAT KIT (GAS)	886100-000	03305136	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z56	-	NV MEM203 REPORT STORAGE	333760-203	03185346	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC
Z58	3	10" 6" ATG PROBE	846390-110	03185574	VEEDER ROOT	7-ELEVEN / SOURCE NA	GC

WAUSAU SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
AA5	-	SINGLE WASTE CONTAINER W/ LID (CANOPY AREA)	TF1891	3175253	WAUSAU	7-ELEVEN / TURNKEY	GC

XERXES SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
AB36	1	XERXES TANK 10" DIA. (15K)	648-637-00	03156203	XERXES	7-ELEVEN / XERXES	GC
AB41	1	XERXES TANK 10" DIA. (15K) SPLIT 7K/8K	650-736-00	03156207	XERXES	7-ELEVEN / XERXES	GC

SIGNAGE SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
AJ1	6	4" X 5" EMERGENCY SHUT OFF SIGN (OUTSIDE)	NG-2402	XXXXXXX	PERFORMANCE INK	GC	GC
AJ2	1	4" X 4" PUMP NUMBERS 1-6 - WHITE NUMBERS/BLACK BACKGROUND	1-6 NG-28	XXXXXXX	PERFORMANCE INK	GC	GC
AJ5	4	3.5" X 3.25" ULTRA LOW SULFUR HIGHWAY DECAL	XXXXXXX	XXXXXXX	PERFORMANCE INK	GC	GC
AJ6	6	2.76" X 4.75" CONTAINS 10% ETHANOL DECAL	NG-80R	XXXXXXX	PERFORMANCE INK	GC	GC
AJ7	6	2.75" X 2.75" GAS PUMPS ARE VIDEO MONITORED DECAL	NG41	XXXXXXX	PERFORMANCE INK	GC	GC
AJ8	3	20" X 6.5" WARNING - NO SMOKING	NG193	XXXXXXX	PERFORMANCE INK	GC	GC
AJ9	-	4" X 4" PUMP NUMBERS 7-12 - WHITE NUMBERS/BLACK BACKGROUND	NG-NG-24SEI	XXXXXXX	PERFORMANCE INK	GC	GC
AJ10	4	4"X24" ALUMINUM FIRE EXTINGUISHER SIGN	NG-97SEI	XXXXXXX	PERFORMANCE INK	GC	GC
AJ11	-	8"X12" ALUMINUM OVERFILL SIGN	NG-97SEI	XXXXXXX	NATIONAL GAS	7-ELEVEN	GC
AJ12	6	OUTDOOR LITERATURE HOLDER (2 PER DISP)	XXXXXXX	03304838	HICORP	7-ELEVEN	GC
AJ13	-	4"X 4" PUMP NUMBERS 13-18	NG-25SEI	XXXXXXX	PERFORMANCE INK	GC	GC

UNIVERSAL VALVE COMPANY SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
H01	7	4' X 72" U-SHAPED BUMPER	1983-404972-7E	03430180	UNIVERSAL VALVE	7-ELEVEN / SOURCE NA	GC
AK1	3	COMPLETE 3'x5'x9" STAINLESS STEEL ISLAND FORM	2CK-35-SS	03126522	UNIVERSAL VALVE	7-ELEVEN / SOURCE NA	GC
AK2	-	COMPLETE 3x7'x9" STAINLESS STEEL ISLAND FORM	2CK-37-SS	XXXXXXX	UNIVERSAL VALVE	7-ELEVEN / SOURCE NA	GC

TRANS-SORB SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
TS1	6	DESICCANT BAG WITH HANGER (2 PER SUMP)	XXXXXXX	03430194	TRANS-SORB	7-ELEVEN / SOURCE NA	GC

GENERAL DATATECH SCHEDULE

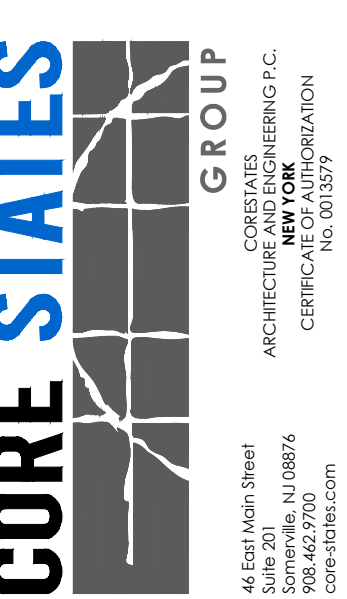
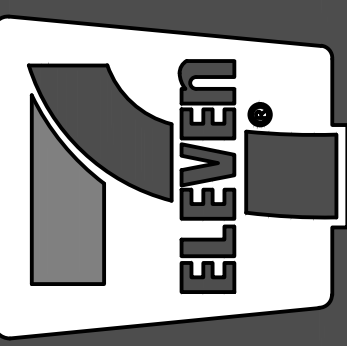
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
GD1	-	MERAKI MS120-8 1G L2 CLOUD MANAGED 8x GIGE SWITCH	XXXXXXX	07999800	GENERAL DATATECH	7-ELEVEN / SOURCE NA	GC
GD2	-	MERAKI MS120-8 ENTERPRISE LICENSE & SUPPORT	XXXXXXX	07999801	GENERAL DATATECH	7-ELEVEN / SOURCE NA	GC

WINDY CITY WIRE SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY	INSTALLED BY
WC1	800'	GILBARCO DISPENSER COMMUNICATION CABLE (CAT6)	WCW7931AFEQ	03430209	WINDY CITY WIRE	7-ELEVEN / SOURCE NA	GC

Rev. #	Date	Description
12-01-2020		

7-ELEVEN, INC.
 3200 HACKBERRY ROAD, IRVING TEXAS 75063
 7-ELEVEN #38912
 3451 CROMPOD ROAD
 YORKTOWN HEIGHTS, NEW YORK 10598
 EQUIPMENT SCHEDULE



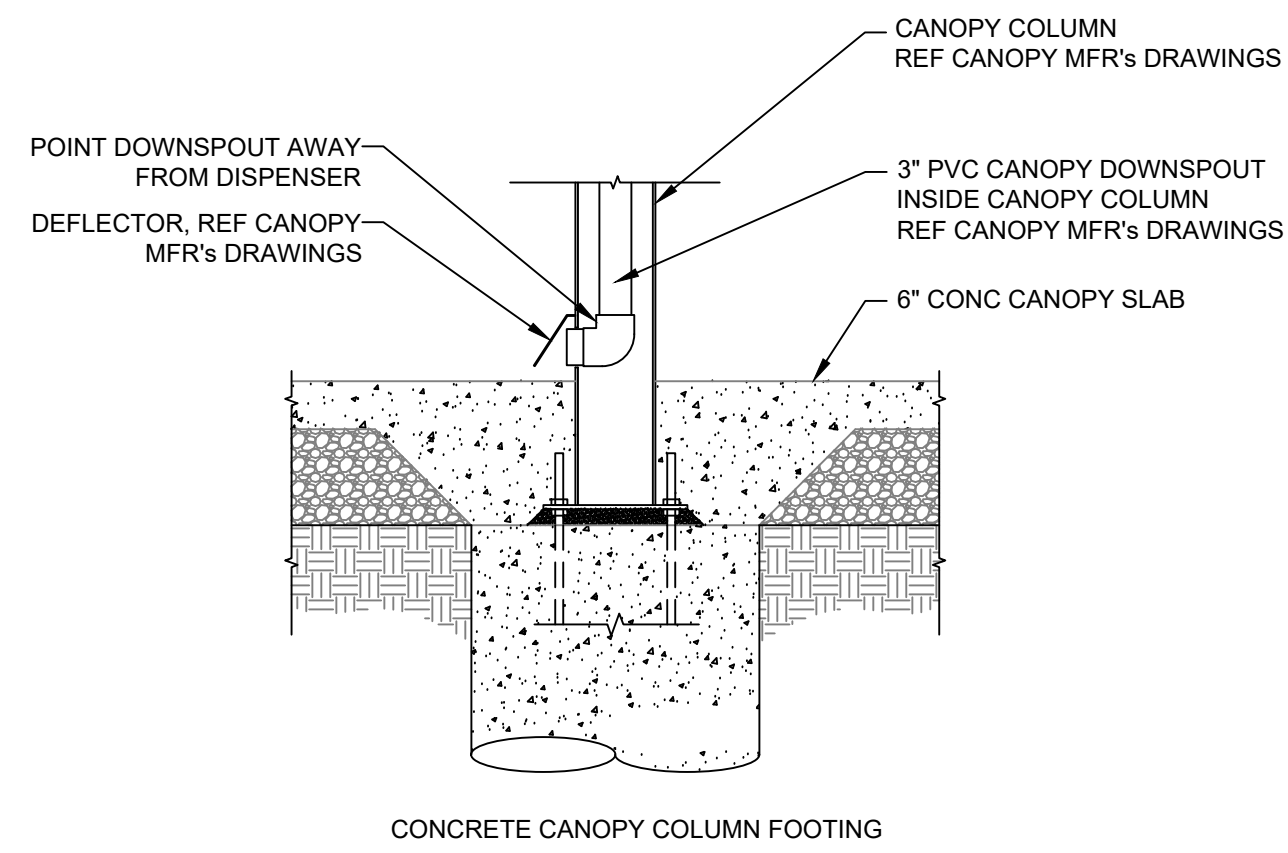
Job#: SEI-32507
 Scale: AS NOTED
 Date: 08/24/21
 Drawn By: GJD
 Checked By: CGC

Documents prepared by Core States Group are for the specific project and intended only for the specific project and intended. Any extension of use beyond the specific project without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.

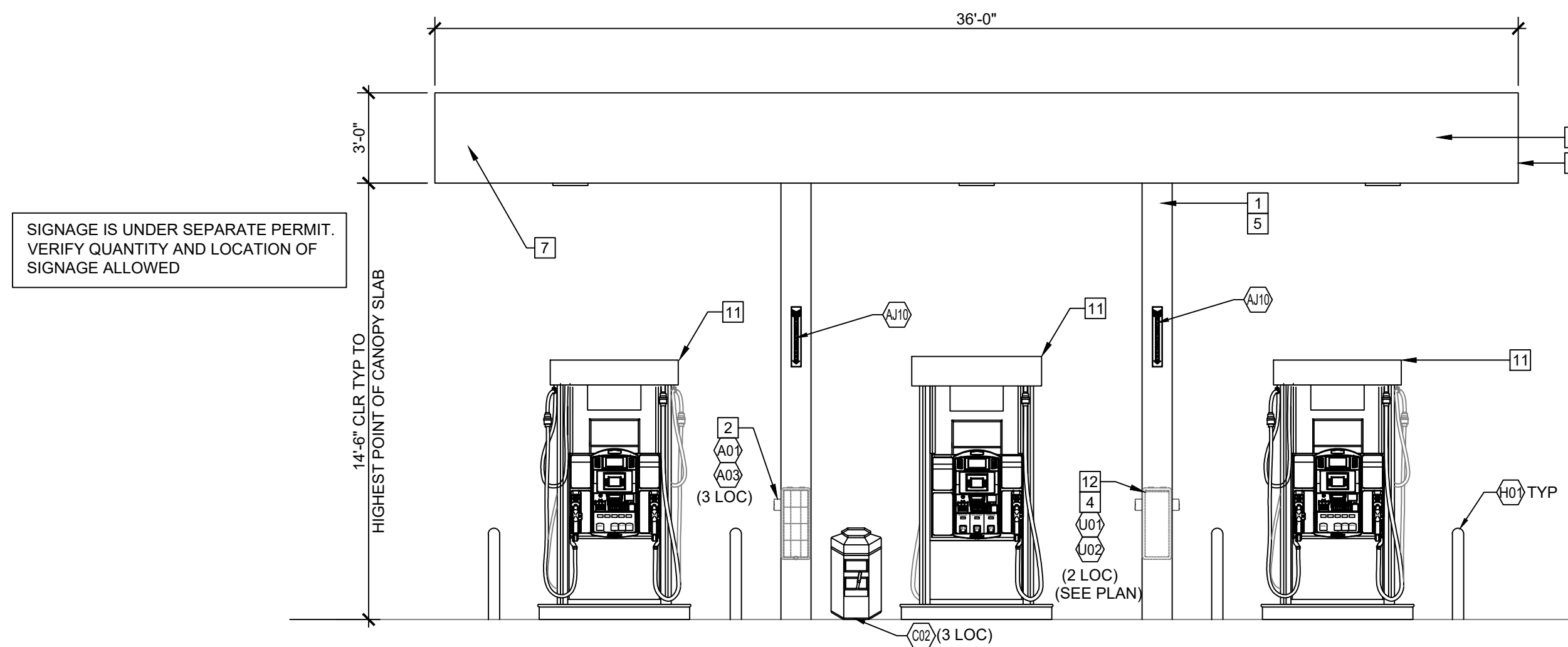


11-16-2021

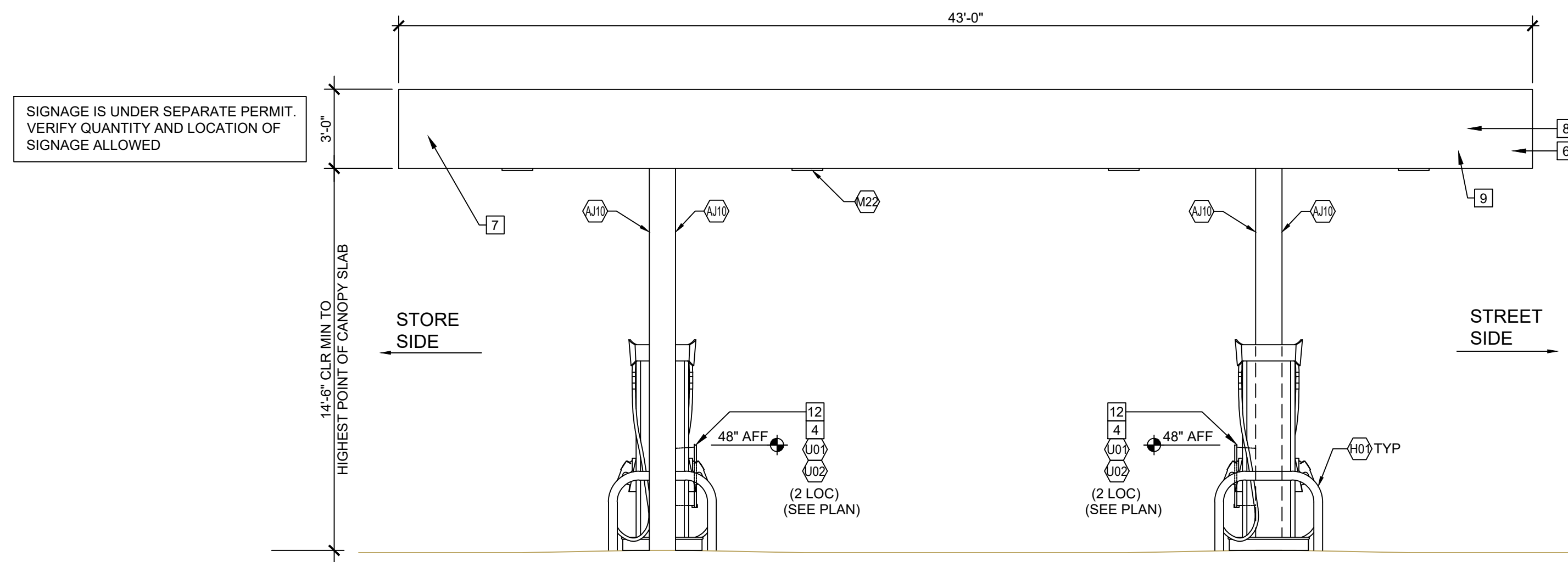
SHEET:
G7.1
 FUELING - USA



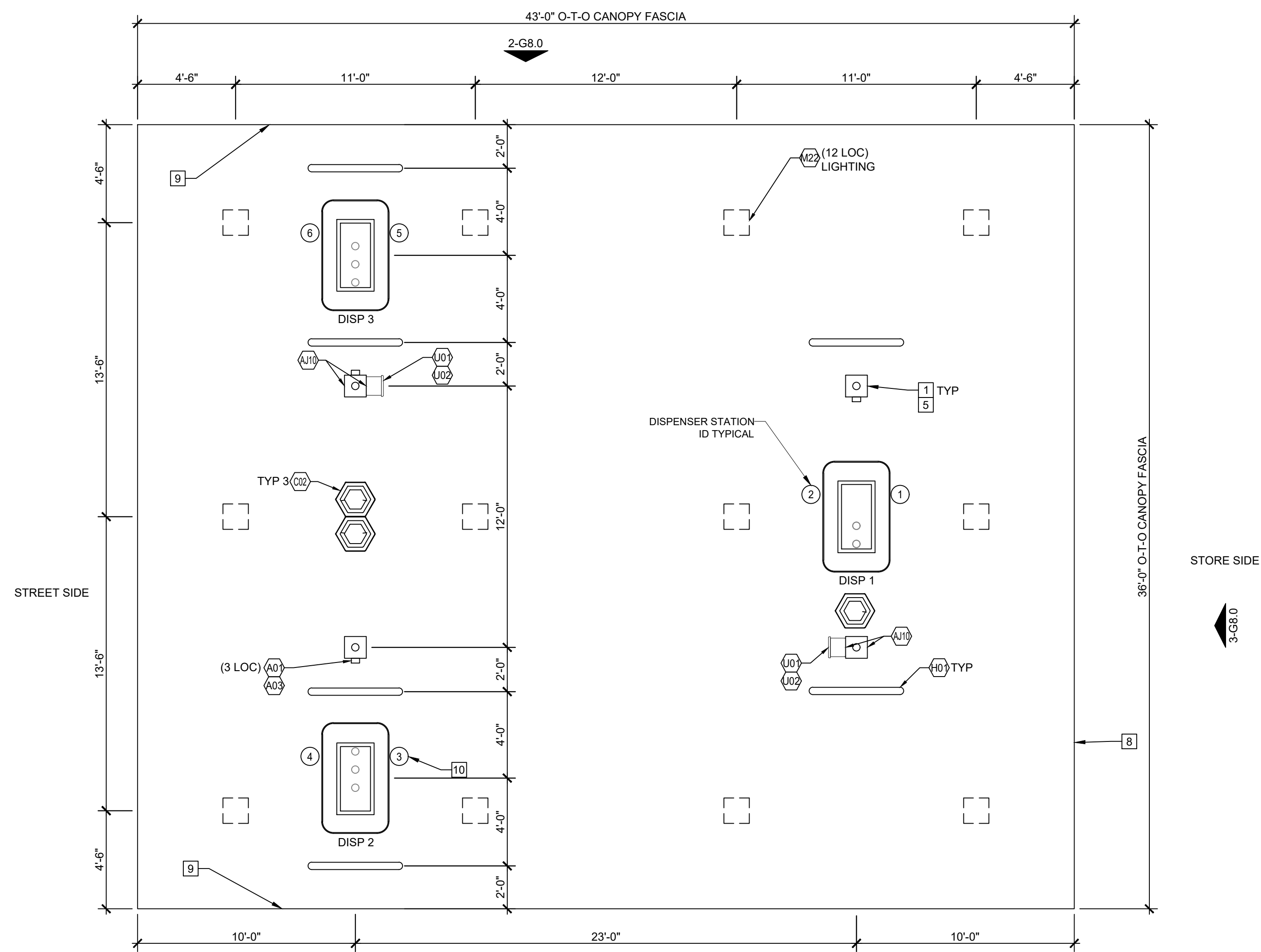
4 CANOPY DRAIN DETAIL
1/2" = 1'-0"



3 CANOPY END ELEVATION
1/4" = 1'-0"



2 CANOPY SIDE ELEVATION
1/4" = 1'-0"



1 FUELING CANOPY PLAN
1/4" = 1'-0"

GENERAL NOTES

- GRADES AROUND DISPENSERS AND CANOPY TO BE SHOT TO PREVENT PONDING AROUND THE DISPENSERS. CONTRACTOR TO REMOVE AND REPAIR PAVEMENT IF PONDING OCCURS.
- NO CONDUITS OR DOWNSPOUTS ON EXTERIOR OF CANOPY COLUMNS.
- REFER TO GRADING PLAN FOR FINAL ELEVATIONS.

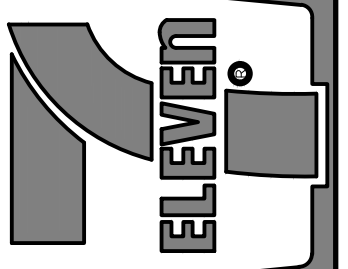
KEY NOTES

- CANOPY COLUMN - PAINT PER GULF SPECIFICATIONS.
- INTERROOM CALL BOX. MECHANICALLY FASTENED TO COLUMN. MOUNT AT 48" MAX. ABOVE SLAB TO BUTTON.
- NOT USED
- FIRE EXTINGUISHER - ADA MOUNTING HEIGHT TO BE MAX. 48" FROM GRADE TO FIRE EXTINGUISHER
- DOWNSPOUT FROM CANOPY (INSIDE THE COLUMN) TO TIE INTO STORM DRAIN WHEN AVAILABLE AND TO DRAIN OUT OF COLUMN PARALLEL TO AND AWAY FROM DISPENSER IN ALL OTHER CASES
- OVERFLOW PROTECTION AS REQUIRED. SEE CANOPY DRAWINGS AND SPECIFICATIONS.
- GASOLINE CANOPY. SEE MANUFACTURER'S DRAWINGS AND SPECIFICATIONS FOR DETAILS OF CONSTRUCTION.
- ACM CANOPY FASCIA.
- LOGO SIGNS UNDER SEPARATE PERMIT. VERIFY QUANTITY AND LOCATION OF SIGNS ALLOWED.
- FUELING POSITION NUMBER.
- REF 1-G5.0 FOR DISPENSER TYPE
- FIRE EXTINGUISHER CABINET MOUNTED ON SIDE OF COLUMN REF PLAN FOR LOCATION
- REF G7.0 FOR EQUIPMENT TAG (XXX) DESCRIPTION

Rev. # Date Description

Proto 12-01-2020

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
FUELING CANOPY LAYOUT -
3 STACK



CORE STATES GROUP
44 East Main Street
Somerville, NJ 08876
NEW YORK
ARCHITECTURAL FIRM P.C.
CERTIFIED LEED ACCREDITED
CORPORATE ID: 003327

Job#: SEI-32507
Scale: AS NOTED
Date: 08/24/21
Drawn By: CGC
Checked By: CVK

Documents prepared by Core States Group are for the specific project and only for the specific project and intended. Any extension of use beyond the project or without the expressed, written consent of Core States Group is prohibited. In no way other than that specifically intended, user will hold Core States Group harmless from all claims and damages.

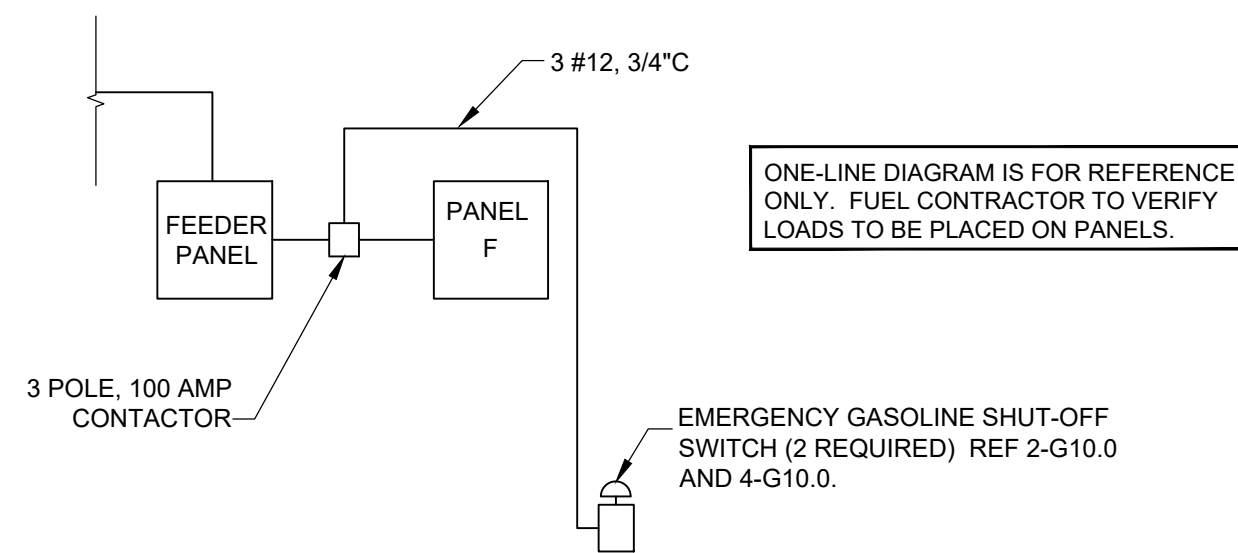


11-16-2021

SHEET:

G8.0

FUELING - USA



- NOTE:
- GENERAL CONTRACTOR TO INSTALL PANELS CIRCUIT BREAKERS AND CONDUIT.
 - FUEL CONTRACTOR SHALL INSTALL WIRING (FROM CIRCUIT BREAKERS TO EQUIPMENT), RELAYS, ETC. MAKE ALL CONNECTIONS AND COMPLETE SEAL OFF.

3 PARTIAL ELECTRICAL ONE-LINE DIAGRAM

1/8"=1'-0"

NEW PANELBOARD													
SERVES: TENANT SPACE													
LOCATION: STOCKROOM													
MOUNTING: SURFACE													
CK	LOAD SERVED	WIRE	BRKR	PL	PHASE C		PHASE A		PL	BRKR	WIRE	LOAD SERVED	CK
1	DISPENSER #1	12	20	1	1.08	1.08			1	20	12	DISPENSER #2	2
3	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	4
5	DISPENSER #3	12	20	1	1.08	0.00			1	20	---	SPARE	6
7	SWITCHED NEUTRAL	---	---	---			0.00	0.00	1	20	---	SPARE	8
9	SPARE	---	20	1	0.00	0.00			1	20	---	SPARE	10
11	SPARE	---	20	1			0.00	0.00	1	20	---	SPARE	12
13	SPARE	---	20	1	0.00	0.00			1	20	---	SPARE	14
15	SPARE	---	20	1			0.00	0.00	1	20	---	SPARE	16
17	RUL STP	12	20	2	1.09	1.09			2	20	12	PUL STP	18
19	---	---	---	---			1.09	1.09	---	---	---	---	20
21	D-BOX CONTROLLER	12	20	1	0.11	1.09			2	20	12	DSL STP	22
23	SPACE	---	---	---			0.00	1.09	---	---	---	---	24
25	SPACE	---	---	---	0.00	0.00			---	---	---	SPACE	26
27	LOW VOLTAGE DISC	12	20	1			0.36	0.72	1	20	12	HOOK ISOLATION BOX	28
29	SPACE	---	---	---	0.00	0.00			1	20	12	SPACE	30
TOTAL		6.62				4.35				KVA			
TOTAL LOAD		10.97				36.25				AMPS			
FEEDER LOAD		10.97				52.74				AMPS			
PER NEC ARTICLE 220													

COORDINATE RECONFIGURATION OF EXISTING FUELING PANEL AND FUELING AREA CIRCUIT LOAD INFORMATION WITH ALL EXISTING PANELS. DISCONNECT ALL NON-FUELING CIRCUITS IN EXISTING FUEL PANEL AND RECONNECT TO OTHER AVAILABLE PANELS IF POSSIBLE.

FUELING CONTRACTOR TO SUPPLY AND INSTALL BREAKERS AS REQUIRED AND VERIFY EXISTING ELECTRICAL PANELS CAN MEET LOAD REQUIREMENTS. ALL NEW BREAKERS SHALL BE OF THE SAME MAKE, MODEL AND AIC RATING AS EXISTING.

COORDINATE PANEL F AND FUELING AREA CIRCUIT LOAD INFORMATION WITH FUEL CONTRACTOR. FUEL CONTRACTOR TO SUPPLY AND INSTALL NEW PANELS AND VERIFY ELECTRIC PANEL CAN MEET LOAD REQUIREMENTS.

FUEL GC TO PROVIDE SINGLE PHASE POWER TO THE MAG-VFC. THREE PHASE POWER TO RUN FROM MAG-VFC TO 2 HP VARIABLE SPEED STPS.

NOTE:

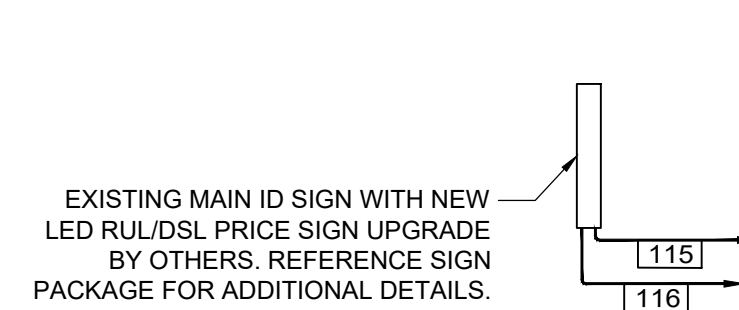
NEW PANEL 'F' TO MATCH MANUFACTURER AND AIC RATING OF EXISTING PANELS. ALL OVERCURRENT DEVICES INSTALLED SHALL MATCH THE MAKE, MODEL, AND INTERRUPTING CAPACITY OF THE EXISTING OVERCURRENT DEVICES.

CONTRACTOR TO REMOVE EXISTING DISPENSERS, STPS AND D-BOX FROM EXISTING PANELS, AND PROVIDE A NEW 60A BREAKER TO FEED PANEL 'F'.

PANEL 'F' IS BEING ADDED TO MEET 7-ELEVEN STANDARDS FOR EMERGENCY STOP PROTOCOL. ALL EQUIPMENT IS BEING REPLACED LIKE FOR LIKE. NO NEW LOAD IS BEING ADDED TO THE SERVICE.

CONDUIT SCHEDULE					
NAME	DESCRIPTION	CONDUIT SIZE	QTY	WIRE SIZE / MFR #	WIRE QTY
101	DISPENSER POWER - NON DIESEL**	3/4"	1	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR***
102	DISPENSER SUMP SENSOR	3/4"	3	BELDEN #88760	1
103	DISPENSER DATA *	3/4"	3	2-WIRE TWISTED PAIR CAT6 FEP/FEP (WCW7931AFEQ)	2 PAIR 1
104	NOT USED	-	-	-	-
105	RUL TANK ATG/SUMP, INTERSTITIAL, FILL SENSORS	3/4"	1	BELDEN #88760	4 #88760
106	PUL/DSL TANK ATG/SUMP, INTERSTITIAL, FILL SENSORS	3/4"	1	BELDEN #88760	7 #88760
107	FILL BUCKET SENSORS	3/4"	3	BELDEN #88760	1
108	STP SUMP SENSOR/ATG PROBE	3/4"	3	BELDEN #88760	2
109	INTERCOM	1"	1	BELDEN 8762	2 PAIR PER CALL BOX
110	DISPENSER POWER - DIESEL**	3/4"	2	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR***
111	1.5HP STP POWER**	3/4"	3	#12 THWN-2	2#12 HOTS, 1#12 GR
112	NOT USED	-	-	-	-
113	CANOPY LIGHTING POWER**	3/4"	2	#10 THWN-2	1#10 HOT, 1#10 NEUT, 1#10 GR
114	CANOPY SIGN POWER**	3/4"	1	#10 THWN-2	1#10 HOT, 1#10 NEUT, 1#10 GR
115	MAIN ID SIGN POWER**	3/4"	1	PULL STRING	PULL STRING
116	MAIN ID SIGN DATA	3/4"	1	PULL STRING	PULL STRING

- * REFERENCE GILBARCO FIELD WIRING DIAGRAM FOR COMPLETE SPECIFICATIONS
 ** CONTRACTOR TO UPSIZE CONDUCTORS FOR VOLTAGE DROPS AS REQUIRED
 *** REFERENCE SHEET G11.0 FOR DISPENSER HOOK ISOLATION WIRING DIAGRAM. RUN ISOLATION WIRING AS REQUIRED WITHIN DISPENSER POWER CONDUITS.



FUELING CONTRACTOR: EXTEND CONDUITS AS REQUIRED TO NEW DISPENSERS AND NEW FUEL TANKS. TIE TO EXISTING WHERE IT IS POSSIBLE. NEW CONDUITS AS REQUIRED. SEE SPECIFICATION SHEET G16.0, SECTION VII, 2.3.1 FOR CONDUIT TYPES.

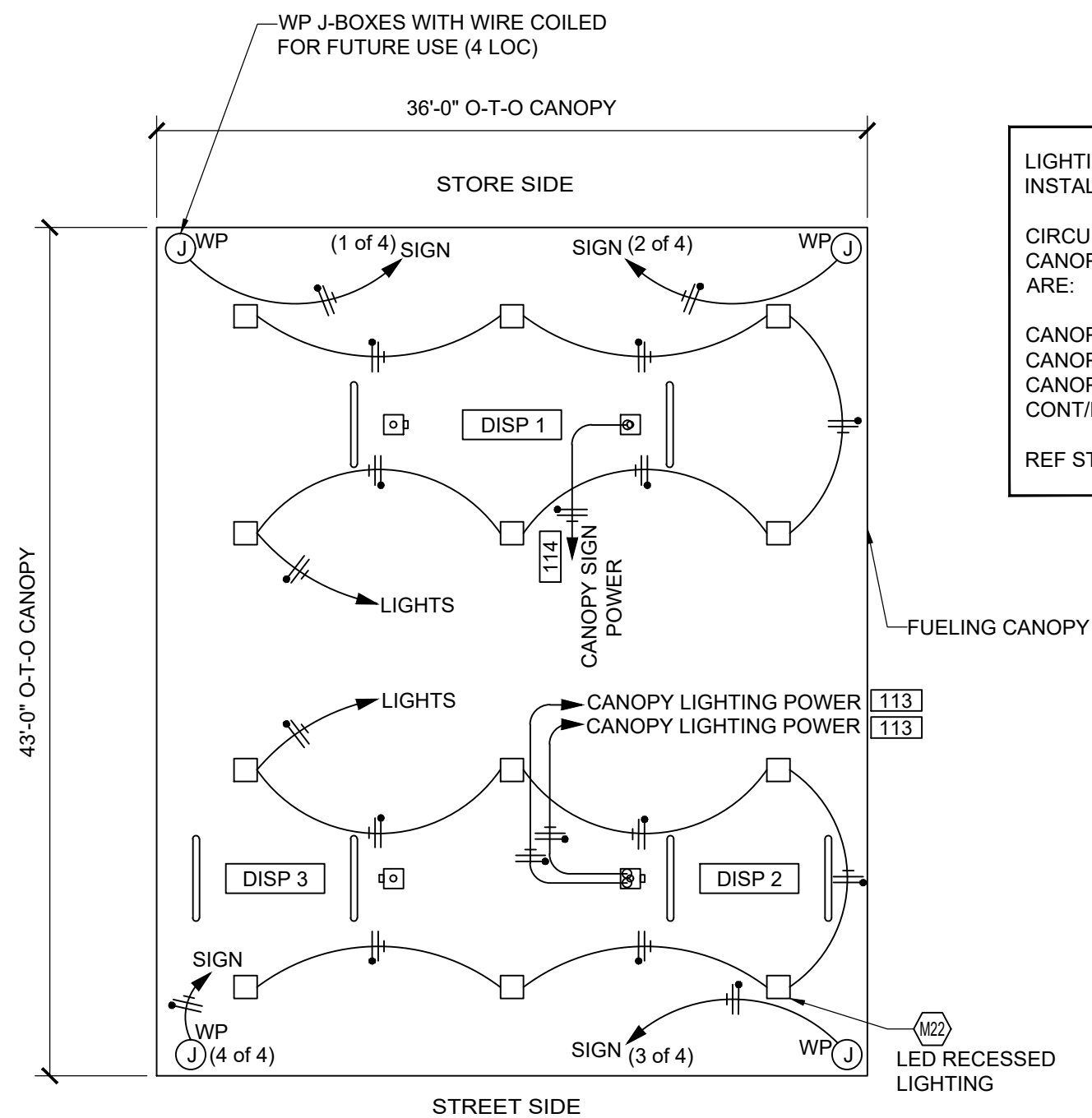
NOTE: PVC CONDUIT (WHERE ALLOWED BY AHJ), MAY BE USED. SEE SPECIFICATION SHEET G16.0, SECTION 2.3.1 FOR LOCATIONS WHERE PVC CONDUIT MAY BE USED.

NOTE: PULL ALL NEW WIRES AND PULL STRINGS AS REQUIRED.

NOTE: ROUTE ALL CONDUITS UNDERGROUND TO C-STORE ELEC ROOM. DATA/COM CABLE EXCESS TO BE COILED IN ELEC RM FOR ROUTING ABOVE CEILING IN C-STORE TO FINAL TERMINATION POINT.

NOTE: THE NEW DISPENSER AND SUMP CONDUIT INTO EXISTING ELECTRICAL ROOM AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS.

FOR STP POWER CONDUITS, USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKKAP" WHERE BRAVO FITTINGS ARE USED AND NO PVC CONDUIT IS PERMITTED. ROUTE CONDUITS IN SEPARATE RACEWAY.

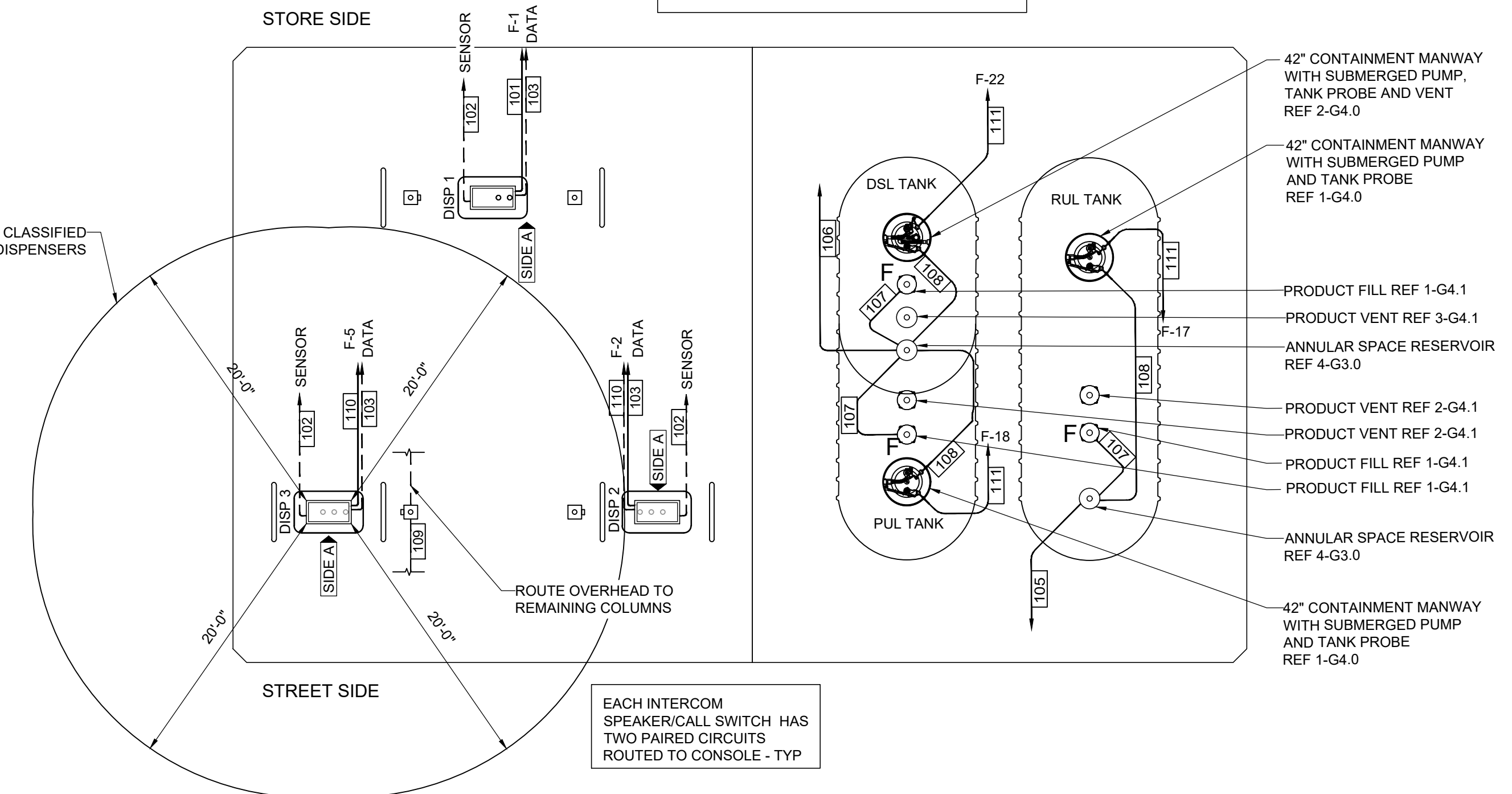


CIRCUITS REQUIRED FOR THE FUELING AREA / CANOPY LIGHTING AND MISCELLANEOUS EQUIPMENT ARE:

CANOPY LIGHTS	546 VA	20 A BREAKER
CANOPY LIGHTS	546 VA	20 A BREAKER
CANOPY SIGNS	300 VA	20 A BREAKER
CONT/EMERG SHUTOFF	40 VA	20 A BREAKER

REF STORE MEP PANEL SCHEDULES FOR LOCATION

EXTENTS OF N.E.C. CLASSIFIED AREA TYPICAL ALL DISPENSERS



EACH INTERCOM SPEAKER/CALL SWITCH HAS TWO PAIRED CIRCUITS ROUTED TO CONSOLE - TYP

PRINTED BY: GELARDOCA
 DRAWING NAME: 38912 - G9.0 USE ELECTRICAL PLAN, ONE-LINE DIAGRAM AND PANEL SCHEDULING
 PRINT DATE: Nov. 16, 2021 - 9:45am

2 CANOPY CONDUIT SCHEMATIC

1/8"=1'-0"

1 UNDERGROUND CONDUIT SCHEMATIC

1/8"=1'-0"

7-ELEVEN, INC.
 3200 HACKBERRY ROAD, IRVING TEXAS 75063
 7-ELEVEN #38912
 3451 CROMPOD ROAD
 YORKTOWN HEIGHTS, NEW YORK 10588
 JUST ELECTRICAL PLAN, ONE-LINE DIAGRAM AND PANEL SCHEDULE

Proto 12-01-2020

CORE STATES GROUP
 48 East Main Street
 Somerville, NJ 08876
 CORE STATES GROUP P.C.
 NEW YORK
 CERTIFICATE NO. 031327

Job#: SEI-32507
 Scale: AS NOTED
 Date: 08/24/21
 Drawn By: GJD
 Checked By: CGC

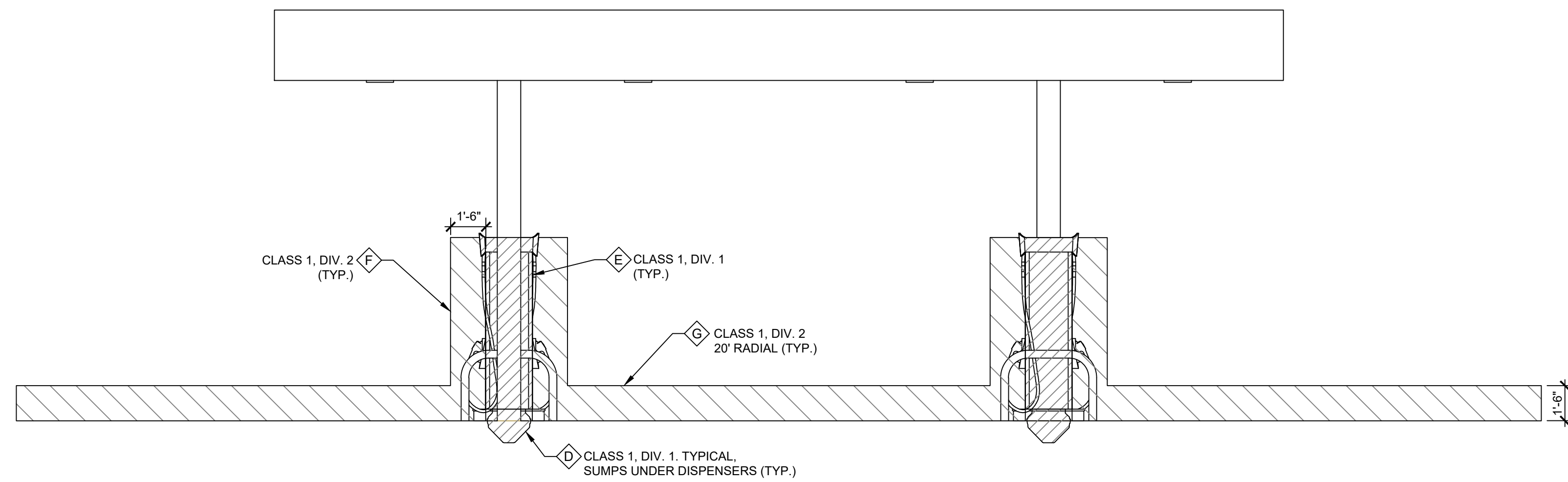
Documents prepared by Core States Group are for the specific project and site only for the specific project and site. Any extension of use of these documents without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party's use of these documents in any way other than that specifically intended, user will hold Core States Group harmless from all claims and damages.

STATE OF NEW YORK
 EXHIBIT FERGUSON
 088817
 PROFESSIONAL ENGINEER
 11-16-2021

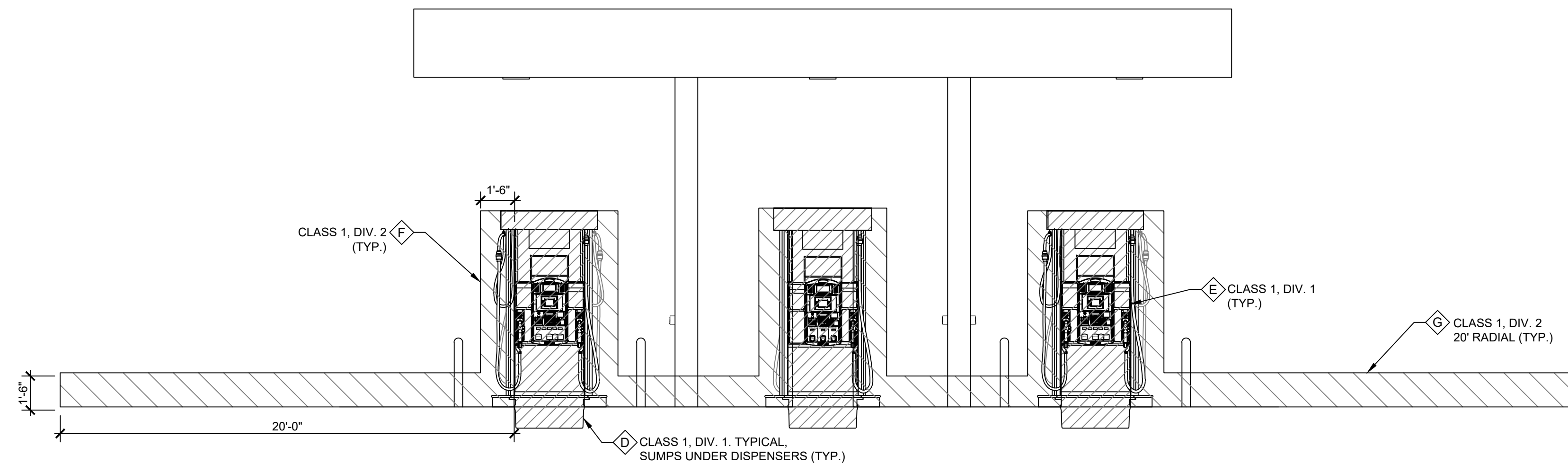
SHEET: **G9.0**
 FUELING - USA

N.E.C. HAZARDOUS AREA NOTES

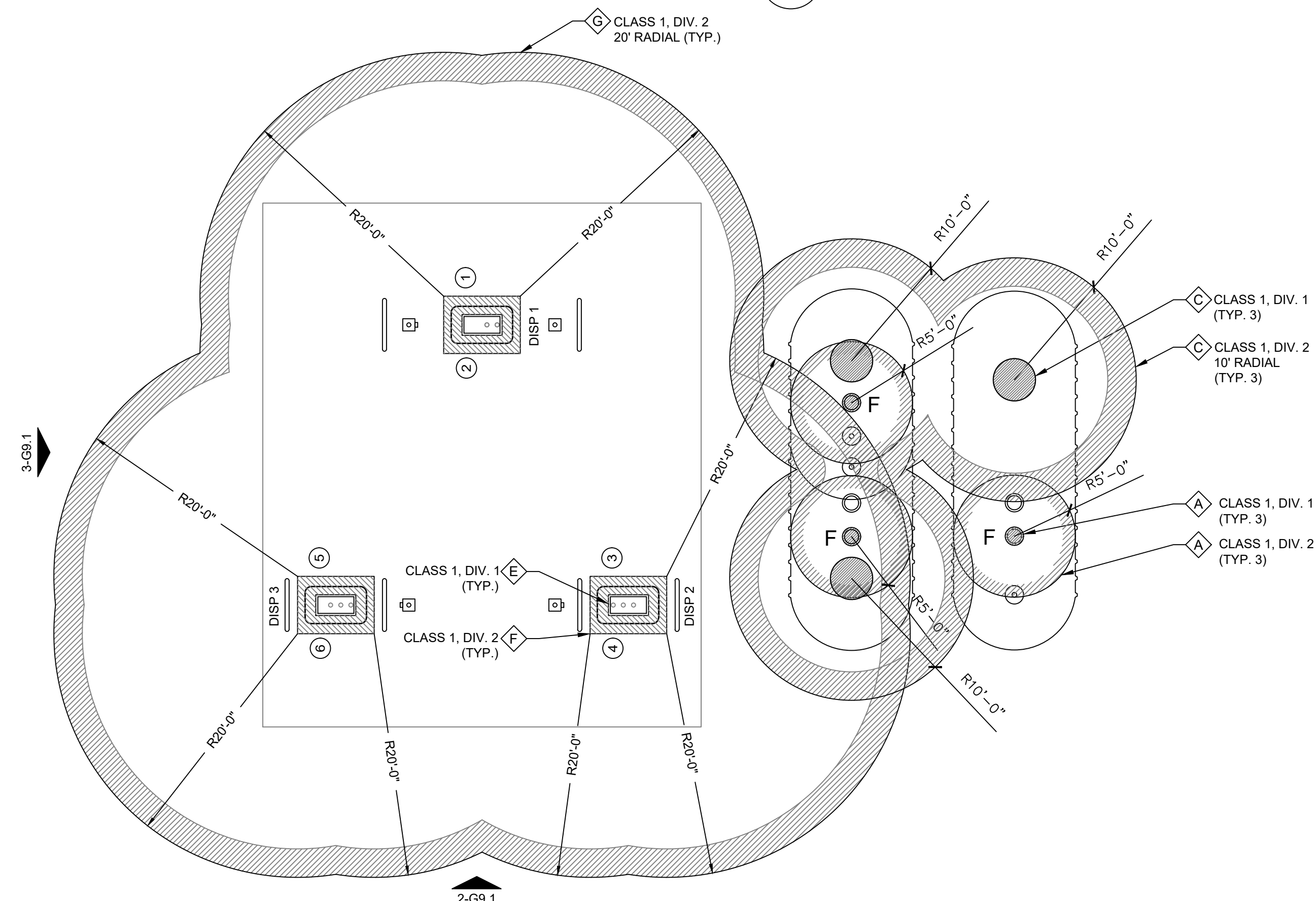
- A** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (UNDERGROUND TANK - FILL OPENING)
EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION:
ANY PIT, BOX, OR SPACE BELOW GRADE LEVEL, ANY PART OF WHICH IS WITHIN THE DIVISION 1 OR 2 CLASSIFIED LOCATION.
- B** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (UNDERGROUND TANK - VENT DISCHARGING UPWARD)
EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION:
WITHIN 5 FEET OF OPEN END OF VENT, EXTENDING IN ALL DIRECTIONS.
- C** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (REMOTE PUMP - OUTDOOR)
EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION:
ANY PIT, BOX, OR SPACE BELOW GRADE LEVEL IF ANY PART IS WITHIN A HORIZONTAL DISTANCE OF 10 FEET FROM ANY EDGE OF PUMP.
- D** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (DISPENSING DEVICE AND REMOTE VENT - PITS)
EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION:
ANY PIT, BOX, OR SPACE BELOW GRADE LEVEL, ANY PART OF WHICH IS WITHIN THE DIVISION 1 OR 2 CLASSIFIED LOCATION.
- E** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (DISPENSING DEVICE - DISPENSER)
EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION:
SPACE CLASSIFICATION INSIDE THE DISPENSER ENCLOSURE IS COVERED IN ANSIUL 87, "POWER OPERATED DISPENSING DEVICES FOR PETROLEUM PRODUCTS."
- F** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (DISPENSING DEVICE - DISPENSER)
EXTENT OF CLASS 1, GROUP D, DIVISION 2 LOCATION:
WITHIN 18 INCHES HORIZONTALLY IN ALL DIRECTIONS EXTENDING TO GRADE FROM (1) THE DISPENSER ENCLOSURE OR (2) THAT PORTION OF THE DISPENSER ENCLOSURE CONTAINING LIQUID HANDLING COMPONENTS. SPACE CLASSIFICATION INSIDE THE DISPENSER ENCLOSURE IS COVERED IN ANSIUL 87, "POWER OPERATED DISPENSING DEVICES FOR PETROLEUM PRODUCTS."
- G** TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (DISPENSING DEVICE - OUTDOOR)
EXTENT OF CLASS 1, GROUP D, DIVISION 2 LOCATION:
UP TO 18 INCHES ABOVE GRADE LEVEL WITHIN 20 FEET HORIZONTALLY OF ANY EDGE OF ENCLOSURE.



3 END ELEVATION
1/4" = 1'-0"

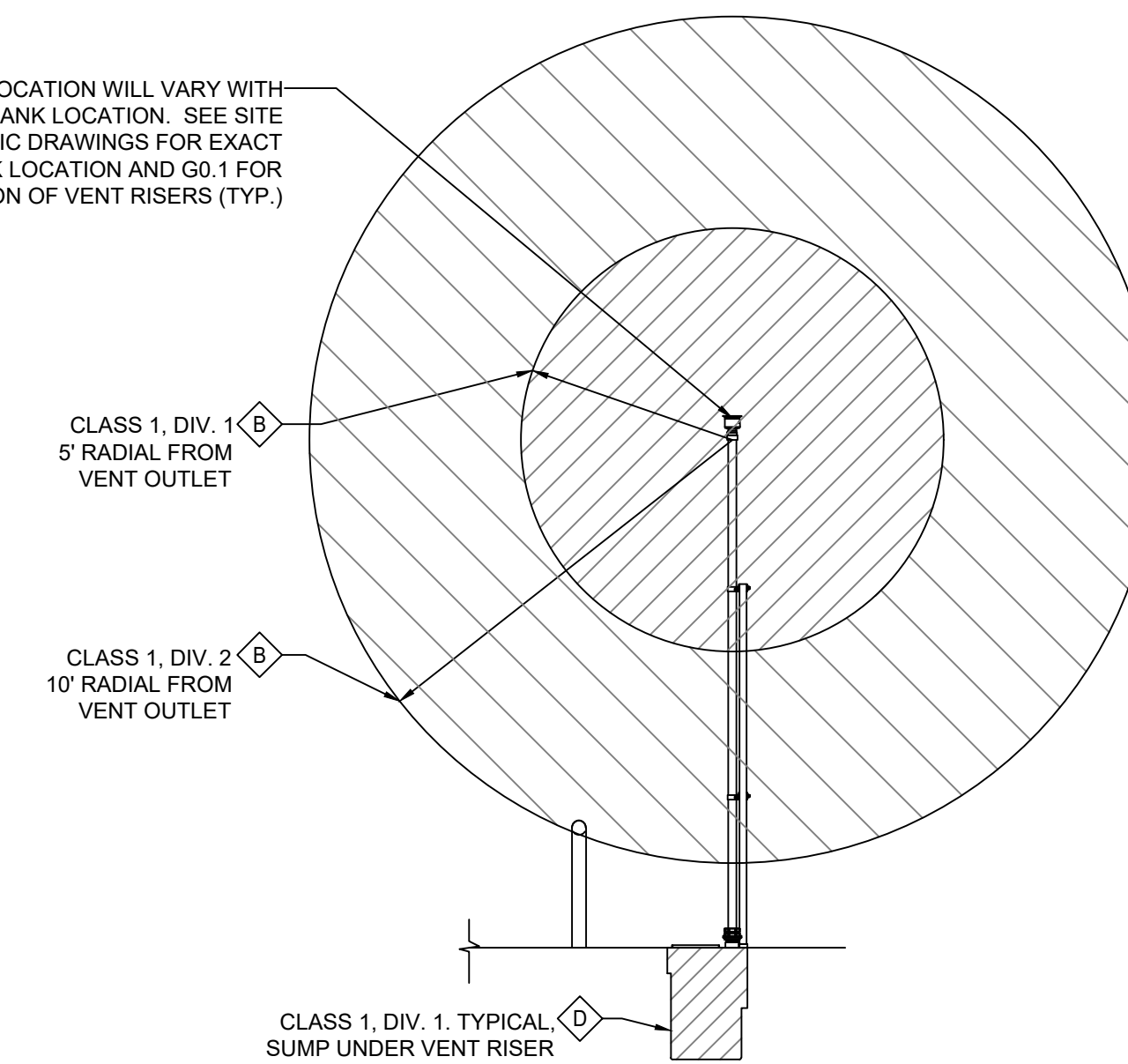


2 SIDE ELEVATION
1/4" = 1'-0"



1 N.E.C. CLASSIFIED AREA @ GROUND LEVEL
1/8" = 1'-0"

VENT LOCATION WILL VARY WITH TANK LOCATION. SEE SITE SPECIFIC DRAWINGS FOR EXACT TANK LOCATION AND GO.1 FOR LOCATION OF VENT RISERS (TYP.)



4 N.E.C. CLASSIFIED AREA AT REMOTE VENT
1/4" = 1'-0"

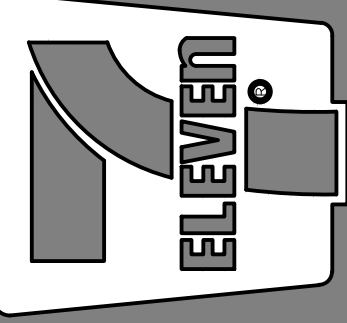
Rev. #	Date	Description

Proto 12-01-2020

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063

7-ELEVEN #38912
3451 CROMPOUND ROAD
YORKTOWN HEIGHTS, NEW YORK 10598

N.E.C. CLASSIFIED AREA



CORE STATES GROUP

44 East Main Street
Somerville, NJ 08876
Tel: 908.329.1000

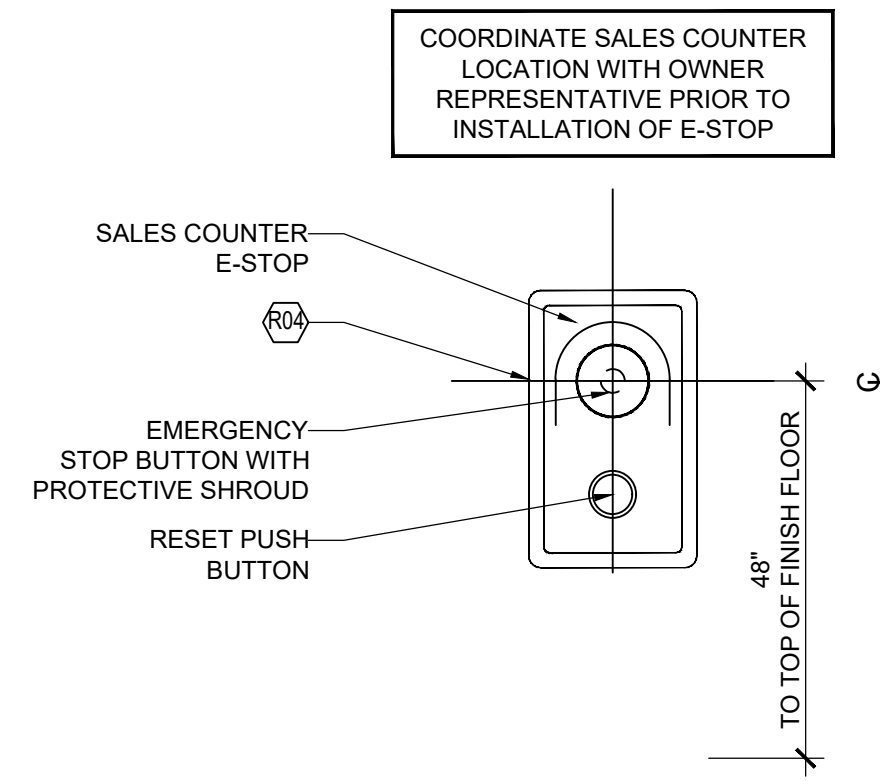
NEW YORK
ARCHITECTURAL BOARD
CERTIFICATE NO. 0313279

Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

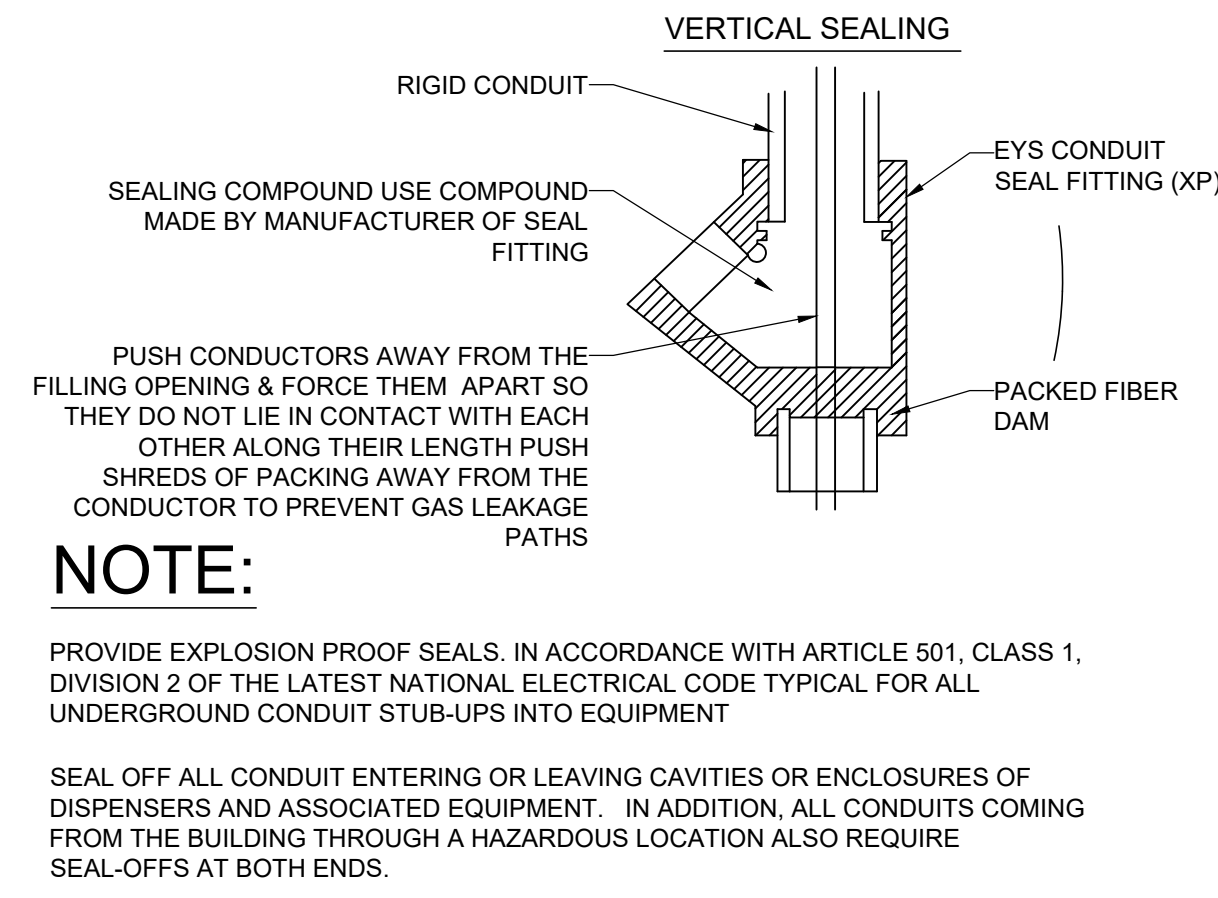
Documents prepared by Core States Group are for informational use only for the specific project and intended. Any extension of use without the written consent of Core States Group is prohibited. Core States Group will hold no liability for any other than that specifically intended, user will hold Core States Group harmless from all claims and losses.



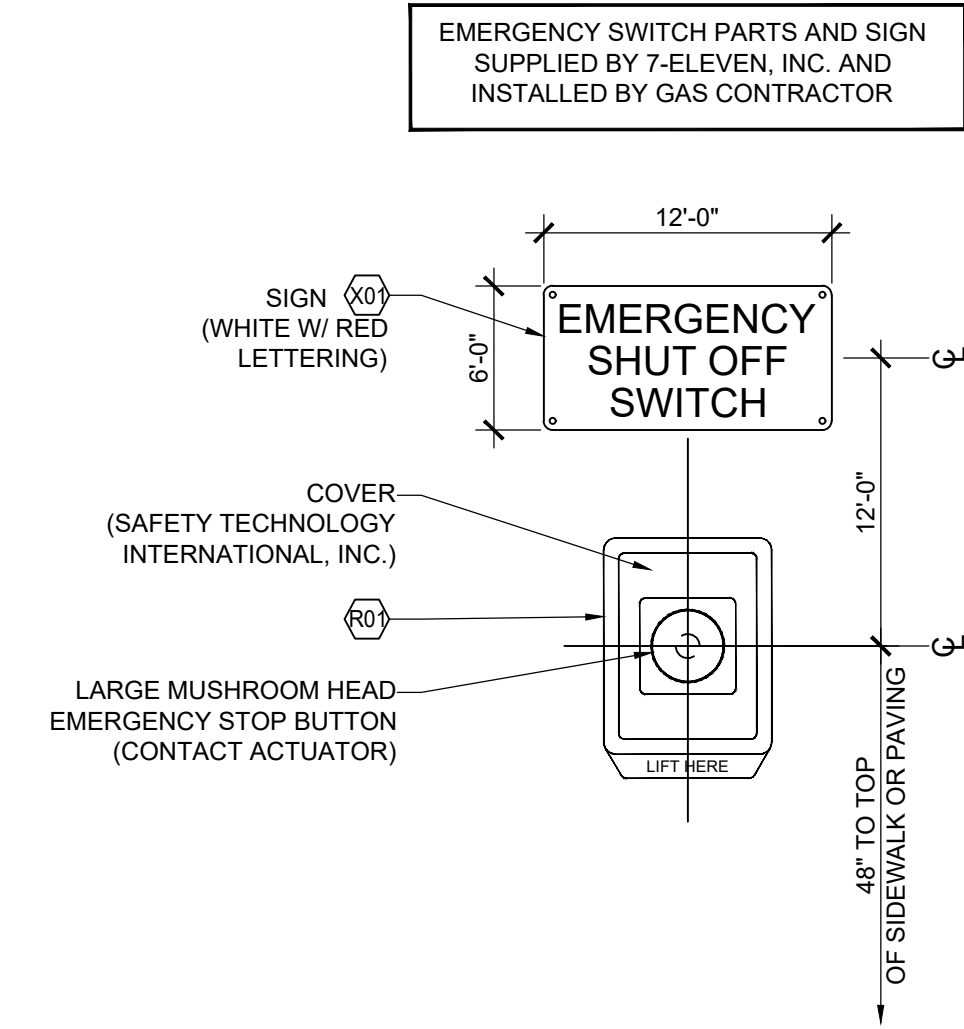
4 EMERGENCY SHUT-OFF SALES COUNTER
NTS



3 SEAL FITTING INSTALLATION
NTS



2 EMERGENCY SHUT OFF W/ COVER
NTS



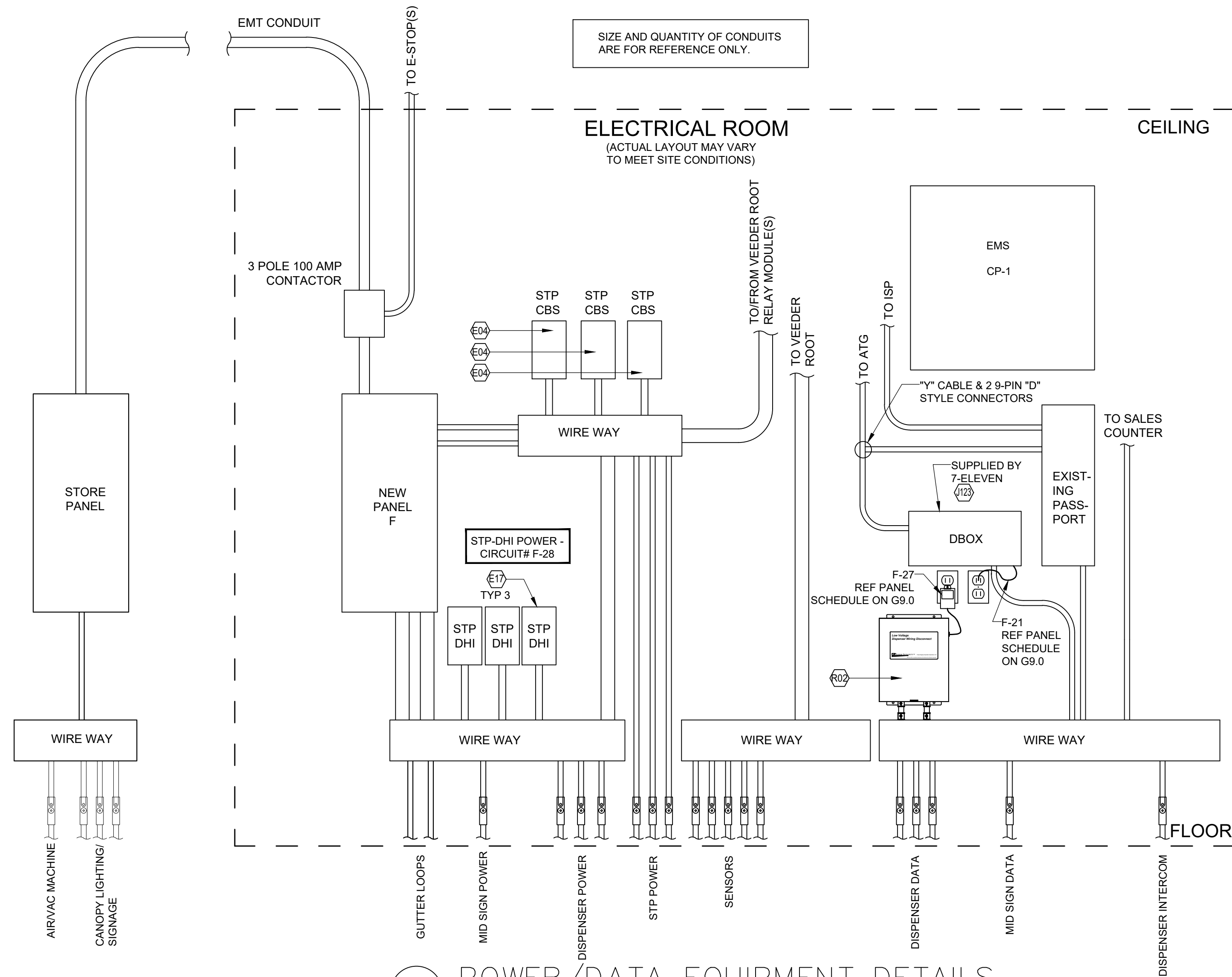
1 POWER/DATA EQUIPMENT DETAILS
NTS

FUELING CONTRACTOR:
EXTEND CONDUITS AS REQUIRED TO NEW DISPENSERS AND FUEL TANKS. TIE TO EXISTING WHERE IT IS POSSIBLE. SEE SPECIFICATION SHEET G16.0, SECTION VII, 2.3.1 FOR CONDUIT TYPES.
NOTE: PULL ALL NEW WIRES AND PULL STRINGS AS REQUIRED.

NOTE: REARRANGE LAYOUT OF EQUIPMENT AS REQUIRED TO FIT NEW PANEL, ISOLATION RELAY BOXES, CONTROL BOXES, NEW CONDUITS, DBOX AND LOW-VOLTAGE DISCONNECT IN EXISTING ELECTRICAL ROOM. REMOVE OLD UNUSED PANELS AND BOXES AS REQUIRED TO MAKE ROOM FOR NEW EQUIPMENT.

NOTE: TIE NEW DISPENSER AND SUMP CONDUIT INTO EXISTING ELECTRICAL ROOM AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS.

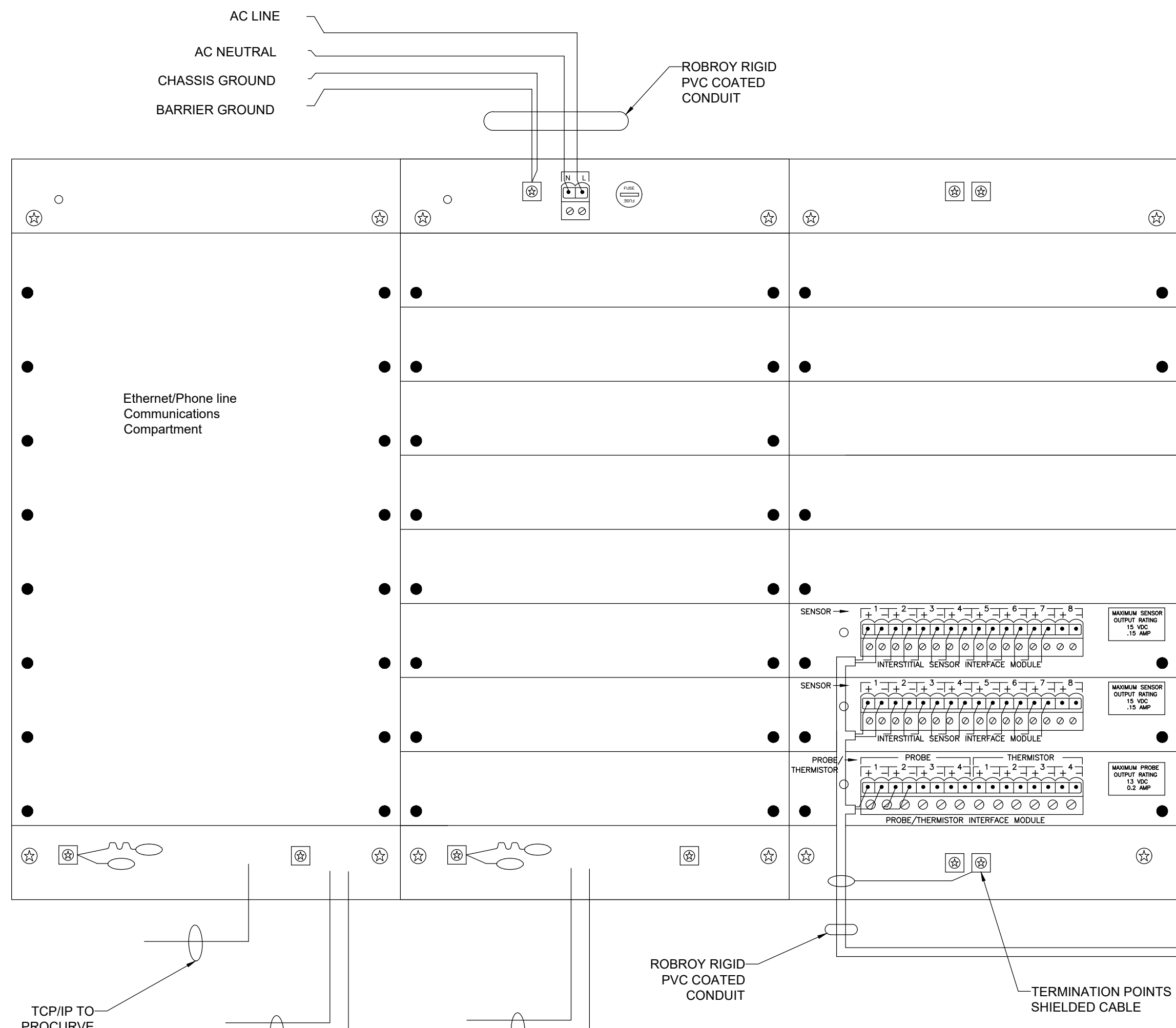
NOTE: REFERENCE SHEET G11.0 FOR DISPENSER HOOK ISOLATION WIRING DIAGRAMS, STP CONTROLLER, AND VEEDER ROOT RELAY MODULE WIRING DIAGRAMS.



Rev. #	Date	Description

NON-HAZARDOUS AREA

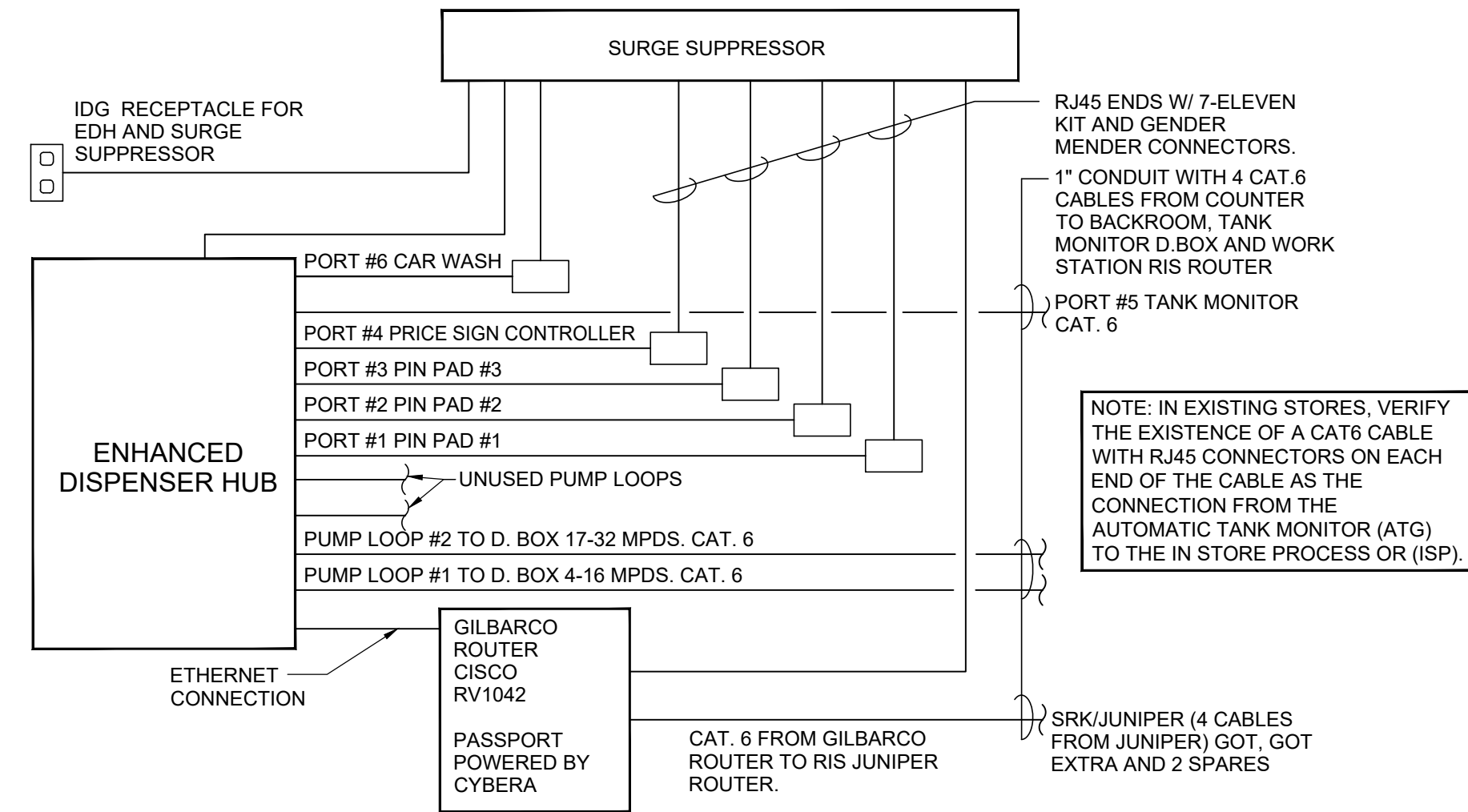
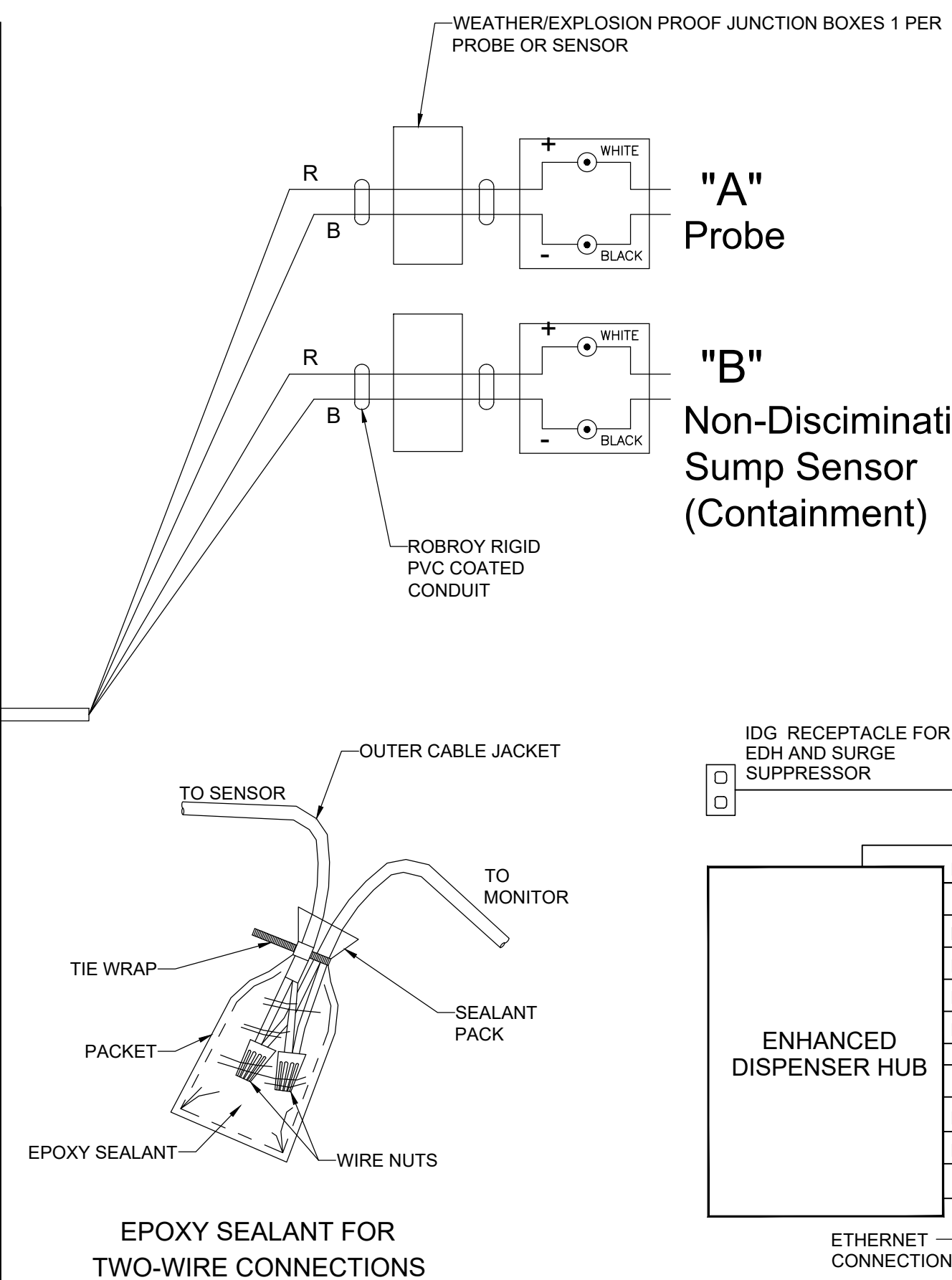
HAZARDOUS AREA



THE VEEDER ROOT SHALL BE PROGRAMMED FOR POSITIVE SHUT DOWN OF STPs FOR LOW FUEL OR HIGH WATER ALARMS.

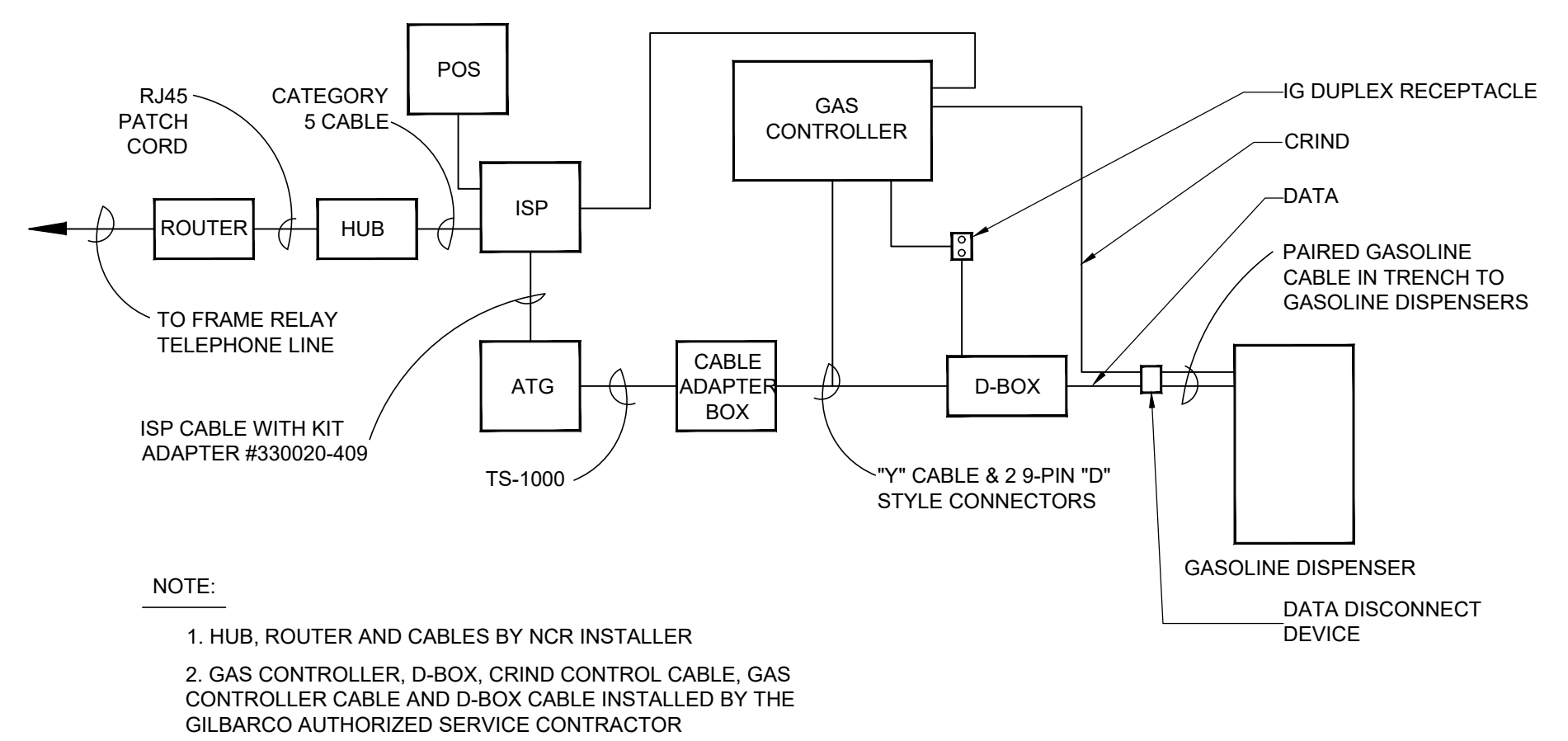
TABLE 1 • WIRE TYPES AND SIZES	
CABLE TYPE	PROBE OR SENSOR
BELDEN 88760	PROBE, SUMP, LIQUID, AND VACUUM SENSOR
12 AWG THWN	AC POWER TO CONSOLE

CONTRACTOR SHALL PLACE A TYPEWRITTEN SENSOR SCHEDULE THAT INDICATES WHICH CHANNEL IS ASSOCIATED WITH WHICH SENSOR



3 ENHANCED DISPENSER HUB NTS

1 SITE MONITORING WIRING SCHEMATIC 1 1/2" = 1'-0"



2 POS GAS CONTROLLER - DEX DIAGRAM NTS

GENERAL NOTES

IMPORTANT: THIS IS A CONTROL DRAWING ONLY AND DOES NOT REFLECT THE ACTUAL LOCATIONS OF CONDUIT ENTRY (SEE NOTE 7 BELOW).

VEEDER-ROOT REQUIRES THAT ANYONE INSTALLING OUR EQUIPMENT MUST BE LEVEL I CERTIFIED. FOR MORE INFORMATION REGARDING THE HOME STUDY INSTALLERS COURSE CONTACT JOHN HOWELL 951-532-8599.

WARNING: IN INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE, FEDERAL, STATE AND LOCAL CODES. IN ADDITION, TURN OFF POWER AND TAKE OTHER NECESSARY PRECAUTIONS DURING INSTALLATION, SERVICE AND REPAIR TO PREVENT PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.

WARNING: DISCONNECT ALL POWER BEFORE MAKING ANY CONNECTIONS TO PREVENT DEATH, SERIOUS INJURY, EXPLOSION, OR ELECTRICAL SHOCK. MONITOR MUST NEVER BE OPERATED UNLESS THE FRONT COVER IS CLOSED OVER THE BARRIER TERMINALS IN THE INTRINSICALLY SAFE AREA.

1. **INTRINSICALLY SAFE WIRING**
BONDED CONDUIT MEANS THAT THE METALLIC SECTIONS OF CONDUIT ARE PERMANENTLY JOINED TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ASSURE ELECTRICAL CONTINUITY, AND THAT THE CONDUIT HAS THE CAPACITY TO CONDUCT SAFELY, ANY CURRENT LIKELY TO BE IMPOSED.
a) BONDED & NON-BONDED CONDUIT - THE WIRES BETWEEN THE MONITOR AND EACH PROBE/SENSOR LOCATION MUST BE #14, #16 OR #18 AWG STRANDED COPPER WIRES WITHIN A SHIELDED CABLE. SHIELDED CABLE MUST BE RATED AT LESS THAN 100 PICO FARAD PER FOOT AND MUST BE MANUFACTURED WITH A MATERIAL SUITABLE FOR THE ENVIRONMENT, SUCH AS BELDEN™ 88760.

2. CONNECT THE BARRIER GROUND TO THE EARTH GROUND BUS AT THE POWER DISTRIBUTION PANEL WITH #12 AWG (OR LARGER) CONDUCTOR.

3. DENOTES FIELD WIRING CONNECTION USING WATERPROOF CONNECTORS SUPPLIED WITH THE PROBE(S) AND SENSOR(S).

4. INTRINSICALLY SAFE WIRING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 504-20 OF THE NEC, ANS/NFPA 70.

5. TO MAINTAIN INTRINSIC SAFETY, PROBE/SENSOR WIRING MUST BE INSTALLED WITH EITHER SEALED CONDUIT OR DIRECT BURIAL METHODS. REFER TO "DIRECT BURIAL CABLE INSTALLATION" MANUAL NO. 576013-858.

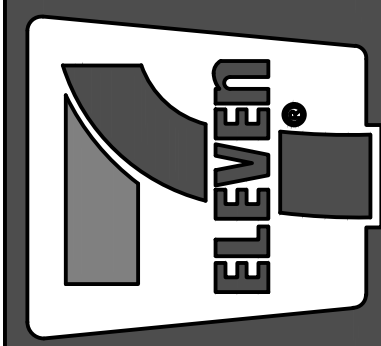
6. ELECTRICAL RATING POWER INPUT 120 VAC, 50/60 HZ, 100 VA MAXIMUM.

7. THIS DOCUMENT IS NOT TO BE USED AS A SUBSTITUTE FOR SPECIFIC EQUIPMENT INSTALLATION MANUALS. FOR INSTALLATION DETAILS USE THE RESPECTIVE MANUAL.
TLS-350(R) 576013-879

8. ALL CABINET PENETRATIONS MUST ENTER THROUGH A PRE-DRILLED CONDUIT KNOCKOUT.

Rev. #	Date	Description
	Proto 12-01-2020	

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOD ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
SITE MONITORING EQUIPMENT DIAGRAM



Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for use only for the specific project and intended for the use of the intended user. Any extension of use beyond the intended use without the expressed, written consent of Core States Group is prohibited. Core States Group is not responsible for any other party that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.



PERFORMANCE SPECIFICATION - CONT.

SECTION II INSPECTIONS / TESTING - CONTINUED

PART 3 - TANK INSTALLATION INSPECTION

- 3.1 SCHEDULE: CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING SCHEDULE SO TANKS ARE TESTED AND SET IN TANK HOLE SAME DAY OF DELIVERY.
- 3.2 EXCAVATION: ALL EXCAVATIONS SHALL BE COMPLETED WITH BEDDING MATERIAL IN PLACE AND READY FOR INSTALLATION PRIOR TO TANK DELIVERY.
- 3.3 ANCHORING: CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE INSTALLATION OF CONCRETE ANCHORS (DEAD MAN).
- 3.4 STRAPS: HOLD DOWN STRAPS TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS - MINIMUM OF 4 - MORE IF REQUIRED BY MANUFACTURER (STRAPS SHALL BE SHIPPED WITH APPROPRIATE PADDING MATERIAL).
- 3.5 AIR TEST: TANKS SHALL BE AIR TESTED AS PER MANUFACTURER'S SPECIFICATIONS PRIOR TO PLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS TO PROVIDE COMPLETE AIR TEST INCLUDING, BUT NOT LIMITED TO, AIR COMPRESSOR OF SUFFICIENT SIZE AND CAPACITY, SPECIFIED SOAP MATERIAL AND ACCEPTABLE SOAP APPLICATION EQUIPMENT.
- 3.6 MINIMUM TESTING: DOUBLE WALL FIBERGLASS TANKS SHOULD ARRIVE AT THE JOB SITE WITH A MINIMUM OF 4" HG ON THE INTERSTICE. OBSERVE THE VACUUM HOLD TEST FOR AT LEAST ONE (1) HOUR PRIOR TO SETTING THE TANKS. SHOULD THE INTERSTICE NOT HOLD A MINIMUM 4" HG VACUUM, THEN CONTACT THE TANK MANUFACTURER IMMEDIATELY.
- 3.7 OBSERVATION: 7-ELEVEN'S CONSTRUCTION DEPARTMENT AND/OR REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSPECTION OF AIR OR VACUUM TEST, OBSERVATION OF LIFTING, SETTING AND BURIAL OF TANKS.
- 3.8 TANK INSPECTION REPORT: WRITTEN REPORT SHALL INCLUDE PHOTOGRAPHIC DOCUMENTATION OF ALL PROCEDURES.

PART 4 - TANK AND LINE TESTING

- 4.1 CONTRACTOR SHALL COMPLETE AND BE RESPONSIBLE FOR THE FOLLOWING PRIOR TO FINAL PLACEMENT OF CONCRETE AND FINAL SYSTEM TEST:
 - 4.1.1 PIPING: ALL PIPING SHALL BE COMPLETED EXCEPT INSTALLATION OF OVERFILL PROTECTION. OVERFILL PROTECTION SHALL BE INSTALLED UPON COMPLETION OF TEST.
 - 4.1.2 VENTS: VENT LINES SHALL BE COMPLETED UNDERGROUND AND STUBBED UP MINIMUM OF 12" ABOVE FINISHED GRADE.
 - 4.1.3 PRODUCT LINES: ALL PRODUCT LINES SHALL BE COMPLETE WITH EMERGENCY SHUTOFF IMPACT VALVE INSTALLED AT DISPENSER BOX WITH MECHANICAL LEAK DETECTOR IN PLACE.
 - 4.1.4 PUMPS: SUBMERSIBLE PUMPS AND LINES SHALL BE COMPLETELY INSTALLED.
 - 4.1.6 SITE PREPARATION: CONTRACTOR SHALL PREPARE TANK AREA FOR WATER OR PRODUCT DELIVERY AND TANK TESTING PROCEDURES.
 - 4.1.7 FILL: CONTRACTOR SHALL PROVIDE 42" MINIMUM BACK FILL OVER TANKS.
 - 4.1.8 WATER: SHOULD WATER BE PRESENT IN TANK HOLE, CONTRACTOR SHALL VERIFY AND NOTIFY 7-ELEVEN CONSTRUCTION MANAGER OF STATUS.
- 4.2 AFTER PLACEMENT OF CONCRETE, A COMPLETE SYSTEM TIGHTNESS TEST INCLUDING TANKS, PRODUCT LINES, STAGE II VAPOR RECOVERY LINES, SECONDARY CONTAINMENT PIPING AND VENT LINES SHALL BE PERFORMED. TESTING SYSTEM SHALL BE AS APPROVED BY 7-ELEVEN. 7-ELEVEN WILL BE BILLED DIRECTLY FOR TESTS. CONTRACTOR TO COORDINATE & SCHEDULE. RE-TEST OR STAND AROUND TIME BY THE TESTING COMPANY TO BE BILLED TO CONTRACTOR. DETAILS FOR THIRD PARTY TESTING REQUIREMENTS LISTED ON G17.0 SHEETS.
 - 4.2.1 AFTER ALL UNDERGROUND PIPING AND ELECTRIC CONDUITS ARE INSTALLED AND DURING EXCAVATION BACKFILLING AND CONCRETE POURING, A CONTINUOUS HYDROSTATIC TEST SHALL BE PERFORMED ON ALL SUMPS & SPILL BUCKETS TO ENSURE TIGHTNESS AND PROPER INSTALLATION.
- 4.3 PRODUCT DELIVERY: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION TO 7-ELEVEN REPRESENTATIVE OF TEST DATE AND VERIFICATION OF NEED FOR TANKS TO BE FILLED WITH PRODUCT AND TANK MONITORING SYSTEM TO BE OPERATIONAL FOR TESTING PROCEDURES. A MINIMUM OF 72 HOURS ADVANCE NOTIFICATION WILL BE REQUIRED FOR PRODUCT DELIVERY. CHECK WITH LOCAL REGULATORY AGENCIES FOR ANY FURTHER REQUIREMENTS.
- 4.4 CONTRACTOR SHALL HAVE REPRESENTATIVES ON SITE TO ACCEPT AND RECORD ALL PRODUCT DELIVERIES. CONTRACTOR'S REPRESENTATIVE SHALL REMIND DELIVERY COMPANY THAT NO OVERFILL PROTECTION IS INSTALLED AND TO FOLLOW PROCEDURES FOR DELIVERY AS SITUATION DICTATES.
- 4.5 PRODUCT REMOVAL: ANY REMAINING PRODUCT IN VENT LINES UPON COMPLETION OF TEST SHALL BE REMOVED BY TESTING COMPANY.

PART 5 - STARTUP INSPECTION

- 5.1 SCHEDULING: CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SCHEDULING STARTUP AND CHECK-OUT. CONTRACTOR SHALL NOTIFY LOCAL CONSTRUCTION DEPARTMENT AND APPLICABLE MAINTENANCE DEPARTMENT OFFICE A MINIMUM OF 48 HOURS PRIOR TO INTENDED FINAL STARTUP AND CHECK-OUT DATE AND TIME.
- 5.2 PERSONNEL: CONTRACTOR, FUEL SUBCONTRACTOR AND ELECTRICAL SUBCONTRACTOR SHALL BE AVAILABLE ON-SITE DURING STARTUP, AS APPROVED BY 7-ELEVEN, INC. ALL STARTUPS ARE TO BE DONE BY AN AUTHORIZED MANUFACTURER'S CONTRACTOR FOR THAT PIECE OF EQUIPMENT.
- 5.3 STARTUP: PHYSICAL STARTUP AND CHECK-OUT OF SYSTEMS AND EQUIPMENT SHALL BE DONE BY AND AT THE DIRECTION OF 7-ELEVEN REPRESENTATIVE ONLY. CONTRACTOR SHALL NOT START OR ACTIVATE ANY EQUIPMENT WITHOUT THE SPECIFIC DIRECTIVE OF 7-ELEVEN REPRESENTATIVE. DAMAGE TO ANY 7-ELEVEN EQUIPMENT DUE TO IMPROPER INSTALLATION AND/OR UNAUTHORIZED STARTUP WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 5.4 SITE COMPLETION: ALL SITE WORK, INCLUDING CONCRETE/ASPHALT PAVEMENTS, SHALL BE COMPLETE. ALL UTILITIES SHALL BE CONNECTED AND OPERATIONAL. ALL LANDSCAPING, INCLUDING SPRINKLER SYSTEMS, SHALL BE COMPLETE.
- 5.5 VERIFICATION: PRIOR TO SCHEDULING OF STARTUP, CONTRACTOR SHALL OBSERVE AND VERIFY CORRECTNESS AND COMPLIANCE TO 7-ELEVEN'S DRAWINGS AND SPECIFICATIONS FOR THE FOLLOWING, BUT THESE SHALL NOT COMPRISE THE TOTAL LIMIT OF THE CONTRACTOR'S VERIFICATION:
 - 5.5.1 MANHOLES SHALL BE PROPERLY CENTER/INSTALLED AT OVERFILLS, SUBMERSIBLES, VAPOR RECOVERY, AUTO GAUGING, OBSERVATION WELLS AND SUMP/RISER.
 - 5.5.2 PROPER HEIGHT OF GRAVEL BACK FILL AROUND SUMP/RISERS.
 - 5.5.3 TANK I.D. MARKERS INSTALLED IN CONCRETE AT PROPER LOCATIONS.

SECTION II INSPECTIONS / TESTING - CONTINUED

PART 5 - STARTUP INSPECTION - CONTINUED

- 5.5.4 ALL BRASS GOODS AND FITTINGS PROPERLY INSTALLED, TIGHT AND SECURE.
- 5.5.5 LEAK DETECTORS INSTALLED.
- 5.5.6 PROTECTED FLEX CONNECTORS ARE PROPERLY INSTALLED WITHOUT TWIST IN INSTALLATION.
- 5.5.7 MANHOLE EXTENDERS PROPERLY INSTALLED AND SCREWED IN FRAME OF MANHOLE SUMP/RISERS, PROPERLY SET AND SEALED TO TANK MAN WAY OR FITTINGS AND CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.8 TANKS CLEAN AND FREE OF WATER. PRIOR TO PRODUCT FILL, TANKS ARE TO BE CHECKED FOR ANY DEBRIS AND WATER. ANY EVIDENCE OF BOTH, TANKS ARE TO BE CLEANED AND WATER REMOVED.
- 5.5.9 ISLAND FORM INNER BOXES PROPERLY CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.10 DISPENSERS PROPERLY SET AND SECURED TO ISLAND BOX FRAME AND DISPENSER SUMPS PROPERLY CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.11 SHEAR VALVES SECURED TO FRAME WITH PROPER HARDWARE.
- 5.5.12 PHASE II VAPOR RECOVERY LINES STUBBED UP AND SECURED IN PROPER LOCATION.
- 5.5.13 ELECTRICAL CONDUITS SECURED WITH ALL CONNECTIONS COMPLETED. VERIFY COMPLIANCE WITH REQUIREMENTS FOR ISOLATED GROUND WIRING TO JUNCTION BOX CASING.
- 5.5.14 DISPENSER CANOPIES INSTALLED AND LIFTING LUGS REMOVED WITH PROPER PLUGS INSERTED.
- 5.5.15 ALL NOZZLES AND SWIVELS AVAILABLE ON-SITE, INSTALLED PRIOR ONLY IF REQUIRED BY GOVERNING AUTHORITIES FOR INSPECTION PURPOSES.
- 5.5.16 ALL INSPECTIONS BY GOVERNING AUTHORITIES COMPLETED AND SIGNED. SIGNED AND COMPLETED PERMIT CARD ON SITE.
- 5.5.17 ELECTRICAL DEVICES INCLUDING LIGHTS, SIGNS AND INTERCOMS PROPERLY INSTALLED, SECURED AND PLUMB.
- 5.5.18 ANY WIRING INSPECTION PORTS IN CANOPY COLUMNS COVERED WITH ACCEPTABLE PLATES.
- 5.5.19 VENT LINES PROPERLY SECURED, PROTECTED AND INSTALLED AT PROPER HEIGHT.
- 5.5.20 VERIFICATION OF COMPLIANCE FOR TANK AND LINE TEST AVAILABLE ON SITE.
- 5.5.21 ALL MANHOLES FREE OF CONCRETE AND DEBRIS.
- 5.5.22 MANHOLE COVERS PROPERLY PAINTED.
- 5.5.23 ALL PAINTING COMPLETE INCLUDING CANOPY, DOWN SPOUTS, METALS AND MISCELLANEOUS METALS.
- 5.5.24 CONCRETE AT ISLANDS AND TANK PAD TRUE, PROPERLY SLOPED AND FINISHED WITH ACCEPTABLE RISE TO MANHOLES.
- 5.5.25 ELECTRICAL PANELS PROPERLY COMPLETED TO INCLUDE:
 - (A) ONE BREAKER FOR EACH SUBMERSIBLE PUMP, DISPENSER, CONSOLE AUTO GAUGING, DISPENSER LIGHTS (ALL) AND CANOPY LIGHTS (ALL).
 - (B) GAS PANEL CONTROLLED BY A MAIN BREAKER.
 - (C) CONTROL BOXES AND DISTRIBUTION BOXES INSTALLED AND WIRED.
 - (D) INTERCOM INSTALLATION COMPLETE AND PROPERLY WORKING.
 - (E) ALL APPLICABLE CONSOLE INSTALLATION COMPLETE AND FUNCTIONAL.
 - (F) ALL WIRING PROPERLY IDENTIFIED WITH COLOR CODED WIRING.
 - (G) CONDUITS PROPERLY IDENTIFIED. (H) ALL BREAKERS IN "OFF" POSITION.
- 5.6 NOTIFICATION: CONTRACTOR SHALL VERIFY ITEMS AS INDICATED ABOVE PRIOR TO SCHEDULING OF STARTUP MONIES AND/OR TIME LOST AT STARTUP DUE TO NON-COMPLIANCE SHALL BE CHARGED TO CONTRACTOR ACCORDINGLY.
- 5.7 EQUIPMENT SHALL BE TESTED PER SPECIFICATIONS ON SHEET G17.0.
- 5.8 CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION III EARTHWORK

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO EARTHWORK.

PART 2 - PRODUCTS

- 2.1 FILL MATERIAL: SHALL BE MATERIAL IN COMPLIANCE WITH TANK AND PIPING MANUFACTURER'S SPECIFICATIONS.
 - 2.1.1 PEA GRAVEL: SHALL BE CLEAN, NATURALLY ROUNDED AGGREGATE WITH A MIX OF PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 3/4".
 - 2.1.2 STONE OR GRAVEL CRUSHING: SHALL BE WASHED MATERIAL WITH ANGULAR PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 1/2".
 - 2.1.3 BACKFILL OR OTHER MATERIAL MUST BE APPROVED BY TANK MANUFACTURER.
- NOTE: MATERIALS MUST MEET ASTM C-33 PARAGRAPH 7.1 FOR QUALITY AND SOUNDNESS. FILL MATERIAL SHALL NOT HAVE MORE THAN 3% PASSING A #8 SIEVE. DRY GRAVEL DENSITY MUST BE A MINIMUM OF 95 POUNDS PER CUBIC FOOT.

SECTION III EARTH WORK - CONTINUED

PART 3 - EXECUTION

- 3.1 PROTECTIONS: PROVIDE ADEQUATE SHORING, BRACING, PILING AND CRIBBING. COMPLY WITH ALL OSHA AND LOCAL REGULATIONS AS IT PERTAINS TO SAFETY.
- 3.2 LAYOUT: CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT AS PRESENTED IN PERMITTED PLANS AND SPECIFICATIONS.
- 3.3 EXCAVATION: EXCAVATE TO LINES, ELEVATIONS AND LIMITS REQUIRED BY THE DRAWINGS, PLUS SUFFICIENT DISTANCE AND SPACE TO PERMIT INSTALLATION OF TANKS. EXCAVATE AS REQUIRED, REGARDLESS OF TYPE, CONDITION OR MOISTURE CONTENT OF THE MATERIAL ENCOUNTERED. HAUL EXCESS MATERIAL OFF THE SITE AND DISPOSE OF SAME. DIMENSIONS OF TANK EXCAVATION SHALL BE MINIMAL AS ESTABLISHED BY 7-ELEVEN DRAWINGS UNLESS TANK MANUFACTURER REQUIREMENTS ARE GREATER. IF EXCAVATION MATERIAL IS FROM AN EXISTING GASOLINE FACILITY ALL MATERIALS MUST BE TESTED PRIOR TO REMOVAL.
- 3.4 SAW CUTTING: IF PAVING MUST BE REMOVED, THE PERIMETER OF THE TANK EXCAVATION AND ALL TRENCHES SHALL BE CUT WITH A CONCRETE SAW. NOTE: PAVING TO BE CUT 2' BEYOND EDGES OF EXCAVATIONS IN ALL DIRECTIONS IN ORDER TO GIVE PROPER SUPPORT TO NEW SLAB TO AVOID SETTLING.
- 3.5 HAZARDOUS MATERIAL: SHOULD ROCK, WATER OR OTHER HAZARDOUS MATERIALS NOT SHOWN ON SOILS TEST BE ENCOUNTERED, LOCAL CONSTRUCTION OFFICE SITE MANAGER SHALL BE IMMEDIATELY CONTACTED FOR APPROVAL TO PROCEED.
- 3.6 PROTECTION: CONTRACTOR SHALL PROVIDE SUFFICIENT PROTECTION WITH EARTHEN BERMS AT ALL TIMES TO PROTECT TANK EXCAVATION AND TRENCHES FROM DRAINAGE OF SURFACE WATERS. EXCAVATIONS SHALL BE PROPERLY MARKED, PROTECTED AND BARRICADED FOR SAFETY UNTIL BACK FILL IS COMPLETE AND SURFACING FINISHED.
- 3.7 SHORING: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING REQUIREMENTS FOR SHORING AND PROVIDING SHORING. SHOULD SITE AND/OR SOIL CONDITIONS WARRANT SHORING. REFERENCE SOIL REPORT FOR CONDITIONS WARRANTING SPECIAL REQUIREMENTS.
- 3.8 FILLING AND BACK FILLING: PLACE APPROVED FILL MATERIAL IN STRICT ACCORDANCE WITH TANK AND PIPING MANUFACTURER'S SPECIFICATIONS. PROVIDE A 12" BED OF APPROVED BACK FILL OVER BOTTOM OF EXCAVATION PRIOR TO TANK PLACEMENT. BACK FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 12" LIFTS.
- 3.9 CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION IV TANK INSTALLATION

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND RELATED APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE INSTALLATION OF FUEL STORAGE TANKS.

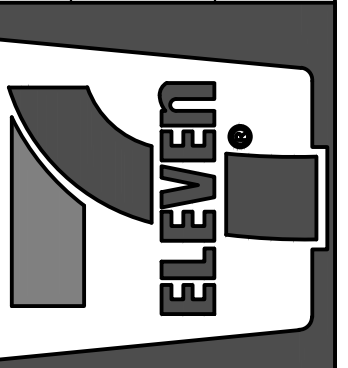
PART 2 - PRODUCTS

- 2.1 TANKS: SHALL BE DESIGNED AND MANUFACTURED SO AS TO BE CORROSION PROTECTED PER EPA REQUIREMENTS. APPROVED TANKS SHALL BE:
 - 2.1.1 DOUBLE WALL FIBERGLASS TANKS
- 2.2 HOLD DOWN STRAPS: SHALL BE SUPPLIED BY TANK MANUFACTURER ONLY. FIELD FABRICATED UNITS ARE NOT ACCEPTABLE.

PART 3 - INSTALLATION

- 3.1 MANUFACTURING: REFER TO TANK MANUFACTURER'S CRITERIA AND SPECIFICATIONS FOR TANK INSTALLATION AND ADHERE TO AS REQUIRED.
- 3.2 CLEARANCES: MINIMUM CLEARANCE FOR TANKS SHALL BE AS FOLLOWS: SHOULD REQUIREMENTS OF TANK MANUFACTURER OR SOIL CONDITIONS DICTATE GREATER CLEARANCE, ADHERE TO ACCORDINGLY.
 - 3.2.1 BOTTOM: PROVIDE MINIMUM OF 12" BEDDING MATERIAL BETWEEN BOTTOM OF EXCAVATION OR PAD AND BOTTOM OF TANK.
 - 3.2.2 SIDES: PROVIDE MINIMUM OF 20" BETWEEN TANKS AND 3' FROM SIDE/END OF TANK TO WALL OF EXCAVATION.
 - 3.2.3 TOP: PROVIDE 42" FILL MATERIAL OVER TANK PLUS 8" OF CONCRETE
- 3.3 TESTING: PRIOR TO INSTALLATION OF TANKS, TESTING PER MANUFACTURER'S INSTRUCTIONS SHALL BE PERFORMED ON TANK(S). ON DUAL WALL TANKS, CONSULT TANK MANUFACTURER FOR TESTING CRITERIA.
- 3.4 PLACEMENT:
 - 3.4.1 REFER TO SITE PLAN FOR TANK PLACEMENT AND PRODUCT ROTATION.
 - 3.4.2 PRIOR TO SETTING OF TANKS, REMOVE ALL FOREIGN DEBRIS, ROCKS, CLOUDS, GARBAGE, ETC. FROM EXCAVATION.
 - 3.4.3 PLACE TANKS ONLY ON APPROVED FILL. DO NOT SET ON CONCRETE OR WOOD.
 - 3.4.4 NOT USED.
 - 3.4.5 TANKS SHALL BE BURIED TO MINIMUM DEPTH AS PER ABOVE AND AS SHOWN ON FUELING DRAWINGS. TANKS MAY REQUIRE GREATER BURIAL DEPTH IF INSTALLED IN REMOTE POSITION TO ALLOW FOR PROPER SLOPE ON VENT LINES, VAPOR LINES. SECONDARY CONTAINMENT PRODUCT LINES. VERIFY DEPTH AS REQUIRED. (IF BURIAL DEPTH EXCEEDS 5'-0" (60"), NOTIFY 7-ELEVEN MANAGER)

Description	Date	Rev. #
Proto 12-01-2020		
7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063 7-ELEVEN #38912 3451 CROMPOUND ROAD YORKTOWN HEIGHTS, NEW YORK 10598 FUELING SPECIFICATIONS		



Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC

Documents prepared by Core States Group are for use only for the specific project and intended. Any extension of use or modification without the expressed, written consent of Core States Group is done at the user's own risk. Core States Group will hold no liability for any use of these documents for any other project or purpose.



SHEET:	G14.0
FUELING - USA	

PERFORMANCE SPECIFICATION - CONT.

SECTION IV TANK INSTALLATION - CONTINUED

PART 3 - INSTALLATION - CONTINUED

- 3.5 PLUGS: ALL UNUSED PLUGS SHALL BE REMOVED. APPLY COMPATIBLE NON-HARDENING PIPE SEALANT TO INTERNAL BUSHING THREADS. PERMANENT METAL PLUGS SHALL BE INSTALLED AT ALL UNUSED OPENINGS.
- 3.6 THE PLUGS IN TANK OPENINGS WHICH ARE TO BE USED SHALL NOT BE OVER TIGHTENED AS THIS MAY CAUSE THE BUSHING TO UNSCREW WITH THE PLUG. CARE SHALL BE TAKEN NOT TO CROSS THREAD OR DAMAGE THE NON-METALLIC BUSHINGS WHEN REPLACING PLUGS OR INSTALLING REQUIRED TANK PIPING.
- 3.7 WET HOLE INSTALLATION: SHOULD GROUND WATER BE PRESENT IN TANK EXCAVATIONS, 7-ELEVEN'S LOCAL CONSTRUCTION ENGINEER MUST BE NOTIFIED.
- 3.7.1 WELL POINT: WATER SHALL BE KEPT AT LOWEST POSSIBLE POINT BY WELL POINT SYSTEM(S) AND PROPERLY SIZED PUMP(S).
- 3.7.2 ANCHOR STRAPS: DEAD MAN AS PER TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS. PLACE 6" FROM OUTSIDE VERTICAL LINE OF TANK(S) AS DENOTED ON DRAWINGS.
- 3.7.3 TIE DOWNS: SUPPLIED BY TANK MANUFACTURER.
- 3.7.4 TAKE-UP FIXTURE & TURNBUCKLE: TO REMOVE CABLE SLACK, UTILIZE THE TAKE-UP FIXTURE FOR 8" DIA. TANK: MIN SIZE 26" MAX SIZE 43". WEIGHT 16 LB.
- 3.7.5 STRAP PLACEMENT: AS PER TANK MANUFACTURER'S SPECIFICATIONS.
- 3.7.6 COATING: COVER ALL NON-GALVANIZED HARDWARE WITH TWO (2) COATS OF ASPHALT IMPREGNATED WITH WATERPROOFING PRIOR TO PLACEMENT OF BACKFILL.
- 3.8 LIFTING: TANKS SHALL BE LIFTED ONLY AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, UTILIZING LIFTING LUGS PROVIDED ON TANKS. TANKS SHALL NOT BE ROLLED, DROPPED OR WRAPPED WITH CHAINS. EQUIPMENT OF SUFFICIENT SIZE, DESIGN AND LIFT CAPACITY SHALL BE UTILIZED FOR SETTING OF TANKS. SHOULD TANKS BE BUMPED, DENTED, DROPPED OR MISHANDLED IN ANY WAY, INSTALLATION SHALL BE HALTED AND TANK MANUFACTURER'S REPRESENTATIVE IMMEDIATELY CONTACTED FOR RE-CERTIFICATION OF TANKS. CONTACT LOCAL CONSTRUCTION OFFICE OR SITE MANAGER IMMEDIATELY UPON NOTICE OF QUESTIONABLE HANDLING OF TANKS OR NOTABLE DAMAGE THERETO.
- 3.9 BACK FILL PLACEMENT: ONCE TANKS ARE PROPERLY SET IN PLACE, CAREFULLY BACK FILL ENTIRE EXCAVATION, HAND SHOVELING AND TAMPING ALONG BOTTOM OF TANK(S) SO THEY ARE EVENLY SUPPORTED AROUND BOTTOM. SPECIAL ATTENTION SHALL BE PAID TO BOTTOM QUARTER POINTS ELIMINATING ANY VOIDS IN FILL AT THESE POINTS. DO NOT DROP BACK FILL FROM HIGH DISTANCE ONTO TANKS. TAMP AS REQUIRED TO ACHIEVE ACCEPTABLE DENSITY. BACKFILL PLACEMENT PER MANUFACTURER INSTALLATION SPECIFICATIONS.
- 3.10 BALLASTING: IF GROUND WATER IS PRESENT, TANKS SHALL BE FILLED WITH BALLAST (WATER) TO AVOID SHIFTING MOVEMENT. COST OF WATER AND REMOVAL SHALL BE CONTRACTOR COST. DO NOT INSTALL SUBMERGIBLE PUMPS IN TANKS FILLED WITH WATER. DO NOT BALLAST TANKS ABOVE LEVEL OF BACKFILL.
- 3.11 PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR TANK EXCAVATION FROM SURFACE WATERS WITH DAMS, BERMS, OR OTHER MEANS PENDING COMPLETION OF INSTALLATION. EXCAVATION SHALL BE MARKED AT ALL TIMES WITH LIGHTED BARRICADES UNTIL INSTALLATION IS COMPLETE. WATER SHALL NOT BE ALLOWED TO ACCUMULATE IN EXCAVATION. DE-WATER AS REQUIRED TO MAINTAIN EXCAVATION AS DRY AS POSSIBLE.

SECTION V CONCRETE

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO CONCRETE.

PART 2 - PRODUCTS

- 2.1 MATERIALS:
- 2.1.1 AIR ENTRAINING AGENT: ASTM C 260-60-T. "PROTEX" MANUFACTURED BY PROTEX INDUSTRIES OR APPROVED EQUAL.
- 2.1.2 PORTLAND CEMENT: CONFORM TO ASTM C-150 TYPE I; TYPE II WHERE WATER SOLUBLE SULFATES ARE PRESENT.
- 2.1.3 AGGREGATES: CONFORM TO ASTM C-33.
- 2.1.4 WATER: SHALL BE CLEAN AND POTABLE.
- 2.1.5 SAND: CONFORM TO ASTM C-144.
- 2.1.6 STEEL REINFORCING: CONFORM TO ASTM A-615, GRADE 60 (EXCEPT WHERE NOTED OTHERWISE) YIELD STRENGTH 60,000 PSI.
- 2.1.7 ACCESSORIES INCLUDING BAR SUPPORTS, CHAIR SPACES, ETC., SHALL BE COLD DRAWN WIRE WITH HEIGHTS REQUIRED. BAR SUPPORTS FOR CONCRETE RESTING ON EARTH OR GRAVEL SHALL BE PRE CAST BRIQUETTES OR INDIVIDUAL HIGH CHAIRS NO. HCP WITH WELDED PLATES ON BOTTOM AS MANUFACTURED BY HOHMANN & BERNARD, INC.
- 2.1.8 FORMS: CLEAN, STRAIGHT LUMBER OF MOISTURE RESISTANT PLYWOOD. KNOT HOLES, DEFORMATIONS, ETC., SHALL NOT BE ALLOWED.
- 2.1.9 EXPANSION JOINT FILLERS: ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO ASTM D-60-T. USE 1/2" THICK OR AS INDICATED ON DRAWINGS. TOP OF JOINT MATERIAL SHALL BE SET 1/2" BELOW TOP SURFACE OF SLAB. FILL VOID WITH GASOLINE RESISTANT SEALER.
- 2.1.10 CALCIUM CHLORIDE: NOT PERMITTED.
- 2.2 CONCRETE PROPORTIONS: CONCRETE SUPPLIER SHALL DESIGN CONCRETE MIX AND SHALL GUARANTEE CONCRETE STRENGTH. ALL CONCRETE, UNLESS NOTED OTHERWISE ON DRAWINGS, OR REQUIRED OTHERWISE BY CODES, SHALL BE DESIGNED FOR 4,000 PSI STRENGTH AT 28 DAYS WITH NOT LESS THAN 5 1/2 BAGS OF CEMENT PER CUBIC YARD OF CONCRETE. NOT MORE THAN 6 1/2 GALLONS OF WATER PER BAG OF CEMENT AND NOT MORE THAN A 4" SLUMP. AIR CONTENTS SHALL RANGE BETWEEN 4% AND 7%.

SECTION V CONCRETE - CONTINUED

PART 3 - EXECUTION

- 3.1 GRADE CONTROL: ESTABLISH AND MAINTAIN LINES AND GRADES FOR CONCRETE ITEMS BY MEANS OF LINE AND GRADE STAKES AND SCREEDS.
- 3.2 FORM WORK: BUILD FORMS TO CONFORM TO SHAPE, LINES AND DIMENSIONS OF CONCRETE MEMBERS. BRACE AND SECURE TO WITHSTAND PLACING OF CONCRETE AND MAINTAIN THEIR SHAPES AND POSITIONS. MAKE FORMS SUFFICIENTLY TIGHT AND SUBSTANTIALLY ASSEMBLED TO PREVENT BULGING OR LEAKAGE. ASSEMBLE FORMS IN SUCH A MANNER TO FACILITATE THEIR REMOVAL WITHOUT DAMAGE TO CONCRETE. FORMS SHALL BE IN OR NEAR NEW CONDITION; CLEAN, SMOOTH AND WITHOUT INDENTATIONS OR BENDS. INSTALL SLEEVES, MANHOLES, CAPS, BOXES AND POSTS IN PROPER LOCATIONS AND HEIGHTS. EXPANSION JOINTS SHALL CONSIST OF FILLER STRIPS INSTALLED WITH TOP AT ELEVATIONS OF FINISHED CONCRETE. NEATLY FINISH EDGES OF EXPOSED CONCRETE ALONG JOINTS WITH A SLIGHTLY ROUNDED EDGING TOOL.
- 3.3 REINFORCEMENT: FURNISH AND INSTALL ALL REINFORCING STEEL INDICATED ON DRAWING METAL REINFORCEMENT AT THE TIME CONCRETE IS PLACED, SHALL BE FREE FROM COATINGS WHICH WILL DESTROY OR REDUCE THE BOND. METAL REINFORCEMENT SHALL BE STORED SO AS TO PREVENT FREEZING FOR A MINIMUM OF 48 HOURS PRIOR TO PLACEMENT ALL REINFORCEMENT SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH STANDARDS OF ACI. METAL REINFORCEMENT SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. SPLICES IN ADJACENT BARS SHALL BE LAPPED 36 DIAMETERS AT CORNERS AND SPLICES, AS REQUIRED.
- 3.4 MIXING AND TRANSPORTING CONCRETE: CONCRETE SHALL BE READY MIXED AND SHALL MEET REQUIREMENTS OF ASTM C-94 FOR MIXING AND DELIVERY. FURNISH DUPLICATE DELIVERY TICKETS OF EACH TRUCK LOAD TO OWNER'S LOCAL CONSTRUCTION OFFICE WHEN REQUIRED. TICKETS SHALL SPECIFY STRENGTH, SLUMP, AGGREGATE SIZES, AIR ENTRAINMENT (IF ANY) AND BRAND OF CEMENT. NOTE AMOUNT OF WATER ADDED AT JOB.
- 3.5 PLACING CONCRETE:
- 3.5.1 NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE OWNER'S LOCAL CONSTRUCTION OFFICE AT LEAST 48 HOURS BEFORE PLACING ANY CONCRETE. THE CONTRACTOR SHALL NOTIFY ALL TRADES AFFECTED BY CONCRETE PLACEMENT AT LEAST 24 HOURS BEFORE PLACING ANY CONCRETE IN ORDER THAT TRADES AFFECTED MAY INSTALL REQUIRED BLOCKING, SLEEVED, POCKETS, ETC.
- 3.5.2 PROTECTION: PROTECT ALL WORK OF OTHER TRADES AS REQUIRED.
- 3.5.3 WETTING: THOROUGHLY WET FORMS AND DAMPEN SAND CUSHIONS BEFORE PLACING CONCRETE.
- 3.5.4 PLACING: PLACE ALL CONCRETE IN ACCORDANCE WITH ACI 614. MINIMUM CONCRETE COVER OVER REINFORCEMENT SHALL CONFORM TO ACI 318. USE HANDLING EQUIPMENT AND METHODS TO INSURE A CONTINUOUS FLOW FROM MIXER TO PLACE OF DEPOSIT SPACE. TAMP AND MECHANICALLY VIBRATE FRESHLY PLACED CONCRETE TO COMPACT THOROUGHLY AND ELIMINATE VOIDS. DO NOT ALLOW FREE FALL OF CONCRETE TO EXCEED 5'.
- 3.6 FINISHING CONCRETE:
- 3.6.1 SLABS SHALL BE A TRUE PLANE SURFACE WITH NO DEVIATION IN EXCESS OF 1/4" WHEN TESTED WITH A 10' STRAIGHTEDGE AT 3' INTERVALS IN BOTH DIRECTIONS. SCREED AND FLOAT CONCRETE FOR SLAB WITH STRAIGHT EDGES TO BRING SURFACE TO REQUIRED FINISHED LEVEL. WOOD FLOAT CONCRETE WHILE STILL GREEN TO A TRUE, EVEN SURFACE WITH NO COARSE AGGREGATE VISIBLE. AFTER SURFACE MOISTURE HAS DISAPPEARED, STEEL TROWEL SURFACE TO A SMOOTH, EVEN FINISH, FREE FROM BLEMISHES AND TROWEL MARKS. AFTER TROWELING, BRUSH SURFACE OF CONCRETE WITH BRISTLE BROOM TO RESULT IN A MEDIUM, UNIFORM, NON-SLIP TEXTURED SURFACE. STROKE CROSSWISE TO LENGTH.
- 3.7 CURING: UTMOST CARE SHALL BE TAKEN TO ACHIEVE A UNIFORM, PROTECTIVE CURE FOR ALL SLABS. DO NOT USE CALCIUM CHLORIDE. CURING METHODS SHALL CONFORM TO ACI STANDARD 605-99 AND ACI STANDARD 306-66.
- 3.8 REMOVAL OF FORMS: DOT NOT REMOVE FORMS UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUPPORT ANY SUPERIMPOSED LOADS.
- 3.9 PATCHING: NO PATCHING SHALL OCCUR UNTIL APPROVED BY OWNER.
- 3.10 TEMPERATURE:
- 3.10.1 COLD WEATHER: WHEN MEAN DAILY TEMPERATURE OF THE ATMOSPHERE IS LESS THAN 40 DEGREES FAHRENHEIT, MAINTAIN TEMPERATURE OF CONCRETE BETWEEN 50 AND 70 DEGREES FAHRENHEIT FOR MINIMUM OF 72 HOURS.
- 3.10.2 HOT WEATHER: MAKE ARRANGEMENTS FOR INSTALLATION OF WINDBREAKS, SHADING, FOG SPRAY, SPRINKLING, PONDING OR WET COVERING IN ADVANCE OF PLACEMENT. TAKE SUCH PROTECTIVE MEASURES AS QUICKLY AS CONCRETE HARDENING AND FINISHING OPERATIONS WILL ALLOW.
- 3.11 TESTING: CONCRETE TESTS SHALL BE ORDERED AT THE DISCRETION OF THE OWNER'S CONSTRUCTION MANAGER. THE OWNER SHALL PAY FOR ALL CONCRETE TESTING. COMPACTION TESTS SHALL BE REQUIRED PRIOR TO PLACEMENT OF ANY CONCRETE ON GRADE. CONTRACT OWNER'S ENGINEERING SERVICES FOR COMPACTION TESTING TESTS. TESTS WILL BE PAID FOR BY OWNER.
- 3.12 THICKNESS:
- 3.12.1 SLAB OVER TANKS SHALL BE 8" CONCRETE SLAB WITH #3 REINFORCING BARS AT 12" OC EACH WAY ON 3" SADDLES (CHAIRS). ADDITIONAL REINFORCING AROUND MANHOLES IN UPPER PORTION OF THE TANK SLAB SHALL BE ON 5" SADDLES (CHAIRS).
- 3.12.2 CANOPY SLABS SHALL BE 6" CONCRETE. REINFORCEMENT SHALL BE #3'S AT 18" OC EACH WAY. REINFORCEMENT SHALL BE ON 2" SADDLES (CHAIRS).
- 3.13 CANOPY FOOTINGS: CANOPY FOOTINGS SHALL BE INSTALLED BY FUEL CONTRACTOR AS PER SHOP DRAWINGS SUPPLIED BY THE CANOPY COMPANY. ALL MATERIALS SHALL BE EQUAL TO OR BETTER THAN SPECIFIED ELSEWHERE IN THIS SECTION.
- 3.14 PROTECTION OF ALL CONCRETE SURFACES: IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROTECT ALL CONCRETE SURFACES AGAINST ANY DAMAGE WHATSOEVER, INCLUDING EXCESSIVE LOADING, SHIPPING, CRACKING, STAINING, PAINT SPLATTERS, ETC. THE OWNER EXPECTS EXPOSED CONCRETE SURFACES TO BE CLEAN AND OF UNIFORM COLOR AND TEXTURE AT COMPLETION OF THE PROJECT. REPLACE ANY CONCRETE DAMAGE DURING CONSTRUCTION.
- 3.15 GRADE CONTROL: ESTABLISH AND MAINTAIN LINES AND GRADES FOR CONCRETE ITEMS.

SECTION VI PIPING

PART 1 - GENERAL

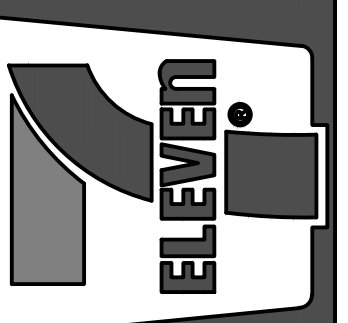
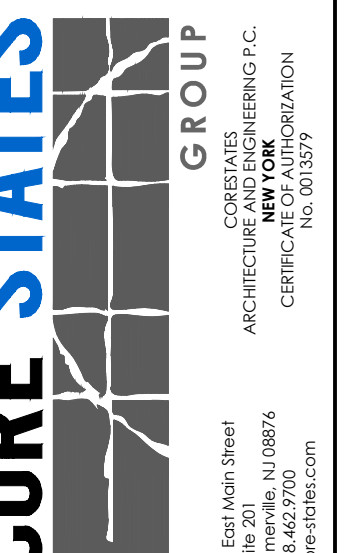

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND RELATED APPLIANCES REQUIRED IN CONJUNCTION WITH OR INCIDENTAL TO A COMPLETE PIPING SYSTEM FOR A GASOLINE INSTALLATION.

PART 2 - PRODUCTS

- 2.1 PRODUCT PIPING: PRODUCT PIPING AND FITTINGS SHALL BE DOUBLE WALL RIGID FIBERGLASS PIPING AS SPECIFIED BY 7-ELEVEN. PIPING MUST SLOPE 1/8" PER FOOT MINIMUM FROM DISPENSER ISLAND TO STP SUMP.
- 2.2 VENT PIPING: PIPING SHALL BE FIBERGLASS PIPE. VENT LINE RISERS SHALL BE BLACK IRON PIPE AND EXTEND 5' ABOVE ADJACENT STRUCTURE OR 12'-0" ABOVE FINISHED GRADE. VENT LINE RISERS SHALL NOT BE INSTALLED ON BUILDING UNLESS APPROVED IN WRITING.
- 2.3 STAGE II VAPOR RECOVER PIPING: PIPING SHALL BE FIBERGLASS. PIPING MUST SLOPE 1/8" PER FOOT MINIMUM FROM DISPENSER ISLAND TO TANK.
- 2.4 BACK FILL: ALL MATERIAL SHALL COMPLY WITH SPECIFICATIONS FOR APPROVED MATERIAL AND AS PER MANUFACTURER'S SPECIFICATIONS.

PART 3 - INSTALLATION

- 3.1 ALL PRODUCT PIPING AND SPECIALTIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND STATE AND LOCAL CODES.
- 3.2 THE DRAWINGS ARE DIAGRAMMATIC AND THE FINAL ARRANGEMENT OF THE WORK SHALL SUIT FIELD CONDITIONS. THE CHARACTERISTICS OF THE MATERIALS USED, AND THE INSTRUCTIONS OF THE CONSTRUCTION MANAGER, VERIFY ALL DIMENSIONS IN THE FIELD. ACCESS AND CLEARANCES MUST BE PROVIDED AND MAINTAINED FOR THE PROPER OPERATION, MAINTENANCE, SERVICE AND REPAIR OF THE WORK.
- 3.3 LOCATE, IDENTIFY AND MARK EXISTING UNDERGROUND UTILITIES IN THE AREA OF WORK BEFORE STARTING EARTHWORK OPERATIONS. IF UTILITIES ARE TO REMAIN IN PLACE PROVIDE ADEQUATE MEANS OF PROTECTION DURING EARTHWORK PROCEDURES.
- 3.4 SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE CONSTRUCTION MANAGER IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURE. COOPERATE WITH THE OWNER AND PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING THEIR RESPECTIVE SERVICES IN SATISFACTORY CONDITION.
- 3.5 VERTICAL RISERS FROM TANKS FOR ALL FILL PIPES, VAPOR RECOVERY ADAPTERS AND AUTO GAUGING ADAPTATIONS SHALL BE A 4" DIAMETER PIPE.
- 3.6 DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER, AND THE ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICE HAS BEEN PROVIDED.
- 3.7 CONVEY WATER REMOVED FROM EXCAVATIONS AND RAIN WATER TO COLLECTING OR RUN-OFF AREA. DO NOT USE TRENCH EXCAVATIONS FOR SITE UTILITIES AS TEMPORARY DRAINAGE DITCHES. REMOVE ALL TRASH, DEBRIS AND FOREIGN MATERIAL FROM TRENCHES PRIOR TO PLACING PIPING MATERIAL.
- 3.8 ALL PRODUCT, VAPOR RECOVERY AND VENT LINES SHALL SLOPE UP FROM TANKS. A MINIMUM OF 2" IN 8' (1/8" /FT) WITH NO SAG OR TRAPS. LINES SHALL BE IN TRENCHES WITH A MINIMUM OF 6" OF BACK FILL MATERIAL BELOW AND ON EITHER SIDE AND A MINIMUM OF 18" OF BACK FILL MATERIAL ABOVE.
- 3.9 SUBMERGED PUMP, FILL PIPE, AUTO GAUGING ADAPTERS AND VAPOR RECOVERY ADAPTER SHALL BE LOCATED AT TANK OPENINGS AS SHOWN ON DRAWINGS.
- 3.10 FILL PIPE SHALL HAVE OVER SPILL CONTAINMENT SYSTEM INSTALLED AS SHOWN ON DRAWINGS.
- 3.11 FILL PIPE SHALL HAVE SUBMERGED FILL TUBE. FILL PIPE AND VAPOR RECOVERY RISER SHALL BE CUT TO THE PROPER LENGTH SO THAT FINISHED HUB HEIGHT WILL BE WITHIN 5" (+ OR - 1") OF THE TOP OF THE MANHOLE.
- 3.12 OVERFILL PREVENTION DEVICES SHALL BE INSTALLED AS SHOWN IN DRAWINGS.
- 3.13 REMOTE PUMP SHEAR VALVES SHALL BE INSTALLED ON THE PRODUCT LINES UNDER EACH DISPENSER AND SECURED TO THE DISPENSER BOX. THESE VALVES MUST BE INSTALLED WITH THE SHEAR SECTION FLUSH AT THE TOP OF THE DISPENSER SUMP, AS DENOTED ON PLANS.
- 3.14 AFTER ALL PIPING IS COMPLETE AND PRIOR TO BACK FILLING, ALL PIPING INCLUDING VENT LINES SHALL BE ISOLATED FROM THE TANK AND TESTED PER MANUFACTURER'S TESTING INSTRUCTIONS.
- 3.15 IF SUBMERGED, PUMP RISER IS TO BE LENGTHENED, THE PROPER 4" THIN WALL RISER AS PRODUCED BY MANUFACTURER SHALL BE USED.
- 3.16 ALL VALVES AND PRODUCT HANDLING EQUIPMENT SHALL BE AS SHOWN ON EQUIPMENT LIST. REFER TO LIST OF MATERIALS SUPPLIED BY OWNER.
- 3.17 OBSERVATION WELLS WHEN REQUIRED SHALL BE INSTALLED. WELLS ARE TO BE POSITIONED IN EXCAVATION HOLE PRIOR TO PLACING BEDDING MATERIAL AND SUPPORTED TO REMAIN VERTICAL DURING BACK FILL OPERATIONS. BOTTOM OF OBSERVATION WELL(S) SHALL BE 12" MINIMUM BELOW THE BOTTOM OF TANK EXCAVATION PIT. TOP OF PIPE TO TERMINATE IN 12" DIAMETER OBSERVATION BOX. SLOTTED SAMPLE WELL MATERIAL SHALL BE FURNISHED BY CONTRACTOR. LOCKING CAPS AND KEYS ALIKE PROVIDED TO 7-ELEVEN, INC. REPRESENTATIVE.
- 3.18 CODES: THE NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE, & NFPA 30A AUTOMOBILE AND MARINE SERVICE STATION CODE. IS BY REFERENCE MADE A PART OF THIS SPECIFICATION. SAID CODE SHALL DICTATE MINIMUM ACCEPTABLE STANDARDS. CODE SHALL BE ADHERED TO UNLESS LOCAL GOVERNING AUTHORITIES DICTATE HIGHER OR MORE STRINGENT REQUIREMENTS WHICH
- 3.19 STARTUP: PRIOR TO STARTUP AND CHECK-OUT OF SYSTEM, PRODUCT LINES SHALL PASS HYDROSTATIC LINE TEST. ALL SITE IMPROVEMENTS, INCLUDING PAVEMENTS AND UTILITIES, SHALL BE COMPLETED PRIOR TO THIS TEST.
- 3.20 INSPECTIONS: PIPING INSPECTION SHALL BE PERFORMED BY 7-ELEVEN, INC.'S APPOINTED REPRESENTATIVE.
- 3.21 CLEANUP: CLEANUP ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.

Description	
Date	
Rev. #	
Proto 12-01-2020	
7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063	
7-ELEVEN #38912 3451 CROMPOND ROAD YORKTOWN HEIGHTS, NEW YORK 10598	
FUELING SPECIFICATIONS	
	
	
Job#:	SEI-32507
Scale:	AS NOTED
Date:	08/24/21
Drawn By:	GJD
Checked By:	CGC
<small>Documents prepared by Core States Group are for the specific project and only for the specific project and specific use for which they are intended. Any extension of use beyond the project or beyond any other party, without the expressed, written consent of Core States Group is considered void. Core States Group is not responsible for any other than that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.</small>	
	
SHEET: G15.0	
FUELING - USA	

PERFORMANCE SPECIFICATION - CONT.

SECTION VII ELECTRICAL WORK

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE FURNISHING AND INSTALLATION OF COMPLETE ELECTRICAL WORK INCLUDING:
- 1.1.1 ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM, INCLUDING CONDUITS, PANEL BOARD OUTLET BOXES, WIRING, SWITCHES, OUTLETS, ETC.
 - 1.1.2 CONDUIT AND WIRING SYSTEM FOR INTERCOM.
 - 1.1.3 WIRING SYSTEM TO SERVE ALL ELECTRIC-USING DEVICES, LIGHTING FIXTURES, PUMPS, CONTROL EQUIPMENT, DISPENSERS, DEVICES AND OTHER CURRENT CONSUMING EQUIPMENT.
 - 1.1.4 POWER AND CONTROL WIRING WITH FINAL CONNECTIONS TO ALL EQUIPMENT.
 - 1.1.5 ALL CONDUITS, CONNECTIONS, WIRE AND STUB-OUTS FOR FASCIA SIGN(S) (WHEN SHOWN), CANOPY LIGHTS, PRICE SIGN(S) AND CANOPY MOUNTED FLOOD LIGHTS.
 - 1.1.6 CONDUITS AS MAY BE SHOWN FOR "FUTURE EQUIPMENT" ON DRAWINGS.
 - 1.1.7 ALL TRENCHING, EXCAVATIONS AND BACK FILL AS REQUIRED IN CONJUNCTION WITH ELECTRICAL WORK.
 - 1.1.8 INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS, BUT WHICH ARE REQUIRED TO PROVIDE COMPLETE ELECTRICAL SYSTEMS IN CONFORMANCE WITH REQUIREMENTS OF LOCAL CODES AND ORDINANCES AND THE NATIONAL ELECTRIC CODE.
- 1.2 CODES AND REGULATIONS: COMPLY WITH LATEST REQUIREMENTS OF LOCAL UTILITY COMPANY, LOCAL, STATE, OSHA, NATIONAL ELECTRIC CODES, NATIONAL FIRE PROTECTIVE ASSOCIATION AND LOCAL ELECTRICAL INSPECTION AUTHORITY. REPORT TO OWNER IMMEDIATELY ANY DISCREPANCIES BETWEEN DRAWINGS AND CODES. PROVIDE INSTALLATION SUPERIOR TO CODE WHERE SO INDICATED ON DRAWINGS AND SPECIFIED HEREIN.
- 1.3 PERMITS, FEES, TAXES: ARRANGE AND PAY FOR ALL NECESSARY PERMITS, FEES, AND TAXES.
- 1.4 PROGRESS OF WORK: SCHEDULE WORK WITH THAT OF OTHER TRADES AND IN RELATION TO ENTIRE INSTALLATION SO THAT THE ENTIRE PROJECT CAN BE COMPLETED PER CONSTRUCTION SCHEDULE.
- 1.5 CUTTING AND REPAIRING: PROVIDE ALL CUTTING, CHANNELING, PATCHING, ETC. AS NECESSARY FOR ELECTRICAL WORK UNDER DIRECTION OF GENERAL CONTRACTOR. WORK FOUND TO BE DEFECTIVE OR INCORRECTLY INSTALLED IS TO BE CORRECTED AT THE DIRECTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER. MAKE REPAIR WORK TO BE DONE BY SKILLED CRAFTSMEN IN TRADES INVOLVED, BUT PAID FOR THE ELECTRICAL SUBCONTRACTOR.

PART 2 - PRODUCTS

- 2.1 IDENTIFICATION OF EQUIPMENT AND WIRING: PROVIDE IDENTIFICATION WITH DYMO TAPE OR EQUAL FOR ALL SERVICE ENTRANCE AND DISTRIBUTION EQUIPMENT INCLUDING MAIN SWITCH GEAR, PANELS, DISCONNECT SWITCHES, CONDUITS, ETC., AND FOR MOTOR FEEDERS INCLUDING SWITCHES, STARTERS AND MOTORS.
- 2.2 LIGHT FIXTURES: TO BE PROVIDED BY OWNER.
- 2.3 CONDUITS: PROVIDE THE FOLLOWING TYPES OF RACEWAYS IN ACCORDANCE WITH THE SPECIFIC APPLICATION OF LOCATION INDICATED.
- 2.3.1 STP POWER CONDUITS MUST BE RUN IN SEPARATE RACEWAY. ENTIRE WIRING RUN MUST BE IN RIGID PVC COATED GALVANIZED STEEL CONDUIT. USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKAP" ELECTRICAL CONDUITS. NO PVC OR RNC CONDUIT ALLOWED.

USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKAP" ELECTRICAL CONDUITS AT FIBERGLASS TANK Sumps OR WHERE BRAVO F-17-RR OR F-10-RR ENTRY FITTINGS ARE CALLED OUT FOR FIRST 10' OF RUN. TRANSITION TO RIGID NONMETALLIC CONDUIT (RNC) WHERE ALLOWED BY JURISDICTION.

RUN PVC COATED GALVANIZED STEEL FOR WIRING RUNS EXPOSED TO THE WEATHER; FOR ENCLOSING MAIN GROUNDING CONDUCTOR: WHERE REQUIRED FOR MECHANICAL PROTECTION OR WHERE SPECIFICALLY INDICATED.

WITH THE EXCEPTION OF THE FIRST 10' AND THE LAST 10' OF THE UNDERGROUND RUN AND ONLY WHERE AHJ ALLOWS, RIGID NONMETALLIC CONDUIT (RNC) IS ALLOWED FOR UNDERGROUND RUNS IF CONDUIT IS BURIED AT A MINIMUM OF 2'.
- 2.3.2 SEAL-OFFS: WHERE CONDUITS EXIT FLOOR OR CONCRETE AT DISPENSERS, AUTO GAUGING, SUBMERSIBLE PUMPS AND N.E.C. CLASSIFIED AREAS (REF G9.1).
 - 2.3.3 N.E.C. APPROVED WEATHER PROOF WIRE PULL BOX.
- 2.4 CONDUCTORS:
- 2.4.1 FURNISH AND INSTALL COLOR CODED COPPER CONDUCTORS, 600 VOLT, OF SIZES INDICATED. MINIMUM SIZE #12 EXCEPT FOR SIGNAL AND CONTROL CIRCUITS AND WHERE OTHERWISE NOTED. TYPE TW (60 DEGREES CENTIGRADE) FOR GENERAL BRANCH CIRCUIT WIRING; TYPE THN OR THWN-2 (90 DEGREES CENTIGRADE) FOR SUPPLY CONNECTIONS TO LIGHT FIXTURES. INSTALL PER COLOR CODE OF NEC.
 - 2.4.2 SHIELDED CABLES: PROVIDE SHIELDED CABLE FOR INTERCOM AS PER MANUFACTURER'S SPECIFICATIONS AND AS REQUIRED ON DRAWINGS.

VARIABLE SPEED PUMP CABLE:
- THWN-2 #12 AWG 4 CONDUCTOR 600V SHIELDED, GAS/OIL RESISTANT".

DATA COMMUNICATION CABLE:
- SHIELDED WIRE MUST NOT BE USED:
- 2 WIRE TWISTED PAIR (UTP) W/ 10-12 TWISTS PER FOOT.
- WIRING IS STRANDED ANNEALED COPPER TINNED WITH 18 AWG MINIMUM REQUIRED FOR RUNS UP TO 1000 FEET OR 14 AWG FOR RUNS UP TO 2600 FEET. DO NOT DAISY CHAIN COMMUNICATION WIRING.
- INSULATION SPEC IS 300V, PVC INSULATION, TYPE TFFN OR MTW, UL APPROVED GASOLINE AND OIL RESISTANT.
- WCV7931AFEQ CAT 6 FEP/FEP CABLE:
- WIRING IS 23AWG SOLID COPPER. DO NOT DAISY CHAIN COMMUNICATION WIRING
- INSULATION SPEC IS 150V, PVC INSULATION, TYPE FEP TEFLON, UL APPROVED GASOLINE AND OIL RESISTANT.
- 2.5 SPLICES AND CONNECTIONS: PROVIDE SPLICES ONLY IN READILY ACCESSIBLE OUTLET BOXES. PROVIDE INSULATED PRESSURE CONNECTORS OR "CRIMP-ON" SLEEVES WITH OVERALL NYLON INSULATORS FOR CONDUCTORS. CONNECTORS SHALL BE 3M "SCOTCHLOK", BUCHANAN SPLICE CAPS WITH INSULATED WRAP, OR IDEAL "CRIMP-SLEEVES" WITH SCAP CAP INSULATOR OR EQUAL.
- 2.6 PANEL BOARDS:
- 2.6.1 BRANCH CIRCUIT PANEL BOARDS: PROVIDE FLUSH-MOUNT CIRCUIT BREAKER TYPE PANEL BOARDS WITH THERMAL MAGNETIC, MOLDED CASE, "SQUARE D" TYPE NLAB OR APPROVED EQUAL, WITH PLUG-IN CIRCUIT BREAKERS, "SQUARE D" TYPE NLQT. PROVIDE GROUNDING TERMINAL BLOCK IN EACH PANELBOARD. SEE INDIVIDUAL PANEL SCHEDULE ON DRAWINGS.
 - 2.6.2 SUBSTITUTES: DISTRIBUTION EQUIPMENT EQUIVALENT IN TYPE, CLASSIFICATION AND QUALITY IN ACCORDANCE WITH NEMA STANDARDS AS MANUFACTURED BY G.E., CUTLER-HAMMER, FEDERAL PACIFIC, ITE, SQUARE D AND WESTINGHOUSE ARE ACCEPTABLE AS SUBSTITUTES ONLY WHEN APPROVED IN WRITING.

SECTION VII ELECTRICAL WORK - CONTINUED

PART 3 - EXECUTION

- 3.1 GENERAL: COORDINATE TIME SCHEDULES, INSTALLATION, HOOKUPS AND MISCELLANEOUS PROCEDURES WITH ALL OTHER TRADES THAT WILL BE INVOLVED TO EXPEDITE THE COMPLETION OF THE CONTRACT. THE ELECTRICAL SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK.
- 3.2 CONDUITS: FURNISH AND INSTALL A COMPLETE OVERALL CONDUIT RACEWAY SYSTEM FOR ALL WIRING AND CONDUCTORS. PROVIDE SIZES AND RACEWAYS AS INDICATED ON DRAWINGS OR AS REQUIRED BY NATIONAL ELECTRICAL CODE FOR CONDUCTORS TO BE CONTAINED. ALL RACEWAYS SHALL CONFORM TO THE FOLLOW REQUIREMENTS:
- 3.2.1 CONCEAL ALL CONDUIT RUNS EXCEPT WHERE EXPOSED RUNS ARE AUTHORIZED BY OWNER'S CONSTRUCTION MANAGER IN WRITING.
 - 3.2.2 ACTUAL CONDUIT RUNS ARE NOT GENERALLY INDICATED; CONDUITS AT TANKS SHALL NOT CROSS OVER TANKS. PLACE CONDUIT THROUGH EACH END OF TANK EXCAVATION AND PLACE FIELDS PARALLEL WITH AXIS OF TANKS.
 - 3.2.3 CLEAN AND DRY ALL RACEWAYS THOROUGHLY BEFORE CONDUCTORS ARE PULLED IN.
 - 3.2.4 FLASH AND COUNTER FLASH CONDUITS WHICH PENETRATE THE CANOPY DECKING.
 - 3.2.5 PROVIDE SEAL-OFF FITTINGS WHERE CONDUIT RUNS ENTER OR LEAVE HAZARDOUS AREAS OF DISSIMILAR CONDITIONS SUCH AS TEMPERATURE, HUMIDITY, ETC.
 - 3.2.6 FURNISH AND INSTALL COMPLETE RACEWAY SYSTEM, INCLUDING CONDUITS AND OUTLETS, AS INDICATED AND AS REQUIRED FOR INTERCOM SYSTEM, GAS PRICE SIGNS, SECURITY LIGHTING AND CANOPY LIGHTING SYSTEM, AND LIGHTED FASCIA SYSTEM WHERE APPLICABLE. CONDUIT AMOUNTS AND SIZES SHALL BE AS SHOWN ON GASOLINE DRAWINGS. ADDITIONAL CONDUITS AND CIRCUITS WILL BE REQUIRED FOR LIGHTED FASCIA SYSTEMS. PROVIDE AS REQUIRED.
- 3.3 LIGHTING: INSTALL ALL LIGHTING FIXTURES AND LAMPS AS INDICATED ON DRAWINGS. SECURELY MOUNT ALL FIXTURES; PROVIDE ALL ADDITIONAL HANGERS AND SUPPORTS AS NECESSARY TO SECURELY FASTEN AND SUPPORT FIXTURES. CLEAN ALL FIXTURES AND LAMPS UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL VERIFY AMOUNT AND TYPE OF ISLAND/CANOPY LIGHTING SYSTEMS. SHOULD ADDITIONAL CONDUITS/CIRCUITS BE REQUIRED, VERIFY THROUGH LOCAL CONSTRUCTION OFFICE AND PROVIDE AS REQUIRED.
- 3.4 SIGNS AND LIGHTED FASCIA: VERIFY FINAL LOCATIONS AND TYPE WITH OWNER. FURNISH AND INSTALL ALL CONDUITS AND WIRES WITH STUB-OUTS AS DIRECTED. MAKE FINAL CONNECTIONS AS REQUIRED.
- 3.5 OUTLETS: COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING INTERCOM OUTLETS, SWITCHES, RECEPTACLES, CONTROLLERS, PANEL BOARDS, SWITCH GEAR, ETC., TO AVOID INTERFERENCE AND OBSTRUCTIONS WITH EQUIPMENT OF OTHER CRAFTS AND TRADES SO THAT ELECTRICAL EQUIPMENT WILL NOT BE BLOCKED OR MADE INACCESSIBLE OR IMPERMEABLE. PROVIDE WEATHERPROOF OUTLETS WHERE EXPOSED TO THE WEATHER OR TO MOISTURE.
- 3.6 ISOLATED GROUND: IT IS MANDATORY THAT GASOLINE EQUIPMENT REQUIRING ISOLATED GROUND SHALL BE PROVIDED WITH SAME. MINIMUM CIRCUITS REQUIRED, BUT NOT LIMITED TO, SHALL BE: INTERCOM, GAS CONSOLE AND GASOLINE TANK MONITORING SYSTEM.
- 3.7 EXCAVATION AND BACK FILLING: ALL EXCAVATION AND BACK FILLING NECESSARY FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE INCLUDED IN THIS SECTION AND COMPLY WITH SECTION III, EARTHWORK.
- 3.8 OPERATING AND ACCEPTANCE TESTS:
- 3.8.1 CONDUCT OPERATING TEST ON ENTIRE ELECTRICAL INSTALLATION; ALL SYSTEMS MUST BE COMPLETE AND IN GOOD OPERATING ORDER. REFER TO STARTUP AND FINAL CHECK-OUT OF SYSTEM COVERED ELSEWHERE. DO NOT START OR OPERATE EQUIPMENT WITHOUT SPECIFIC DIRECTIVES OF OWNER'S SPECIFIED REPRESENTATIVE. ANY DAMAGE TO OWNER'S EQUIPMENT DUE TO DEFECTIVE INSTALLATION AND/OR OPERATION WILL BE THE RESPONSIBILITY OF THAT SUBCONTRACTOR FOR CORRECTION, REPLACEMENT AND/OR MONETARY COMPENSATION AS REQUIRED.
 - 3.8.2 MAKE INSULATION TESTS ON MAIN SERVICE EQUIPMENT AND ALL FEEDERS AND PANELBOARDS.
 - 3.8.3 TEST GROUND: RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS.
 - 3.8.4 INSPECT ALL PANELBOARDS. ALL CONNECTIONS MUST BE TIGHT AND SECURE.
- 3.9 "AS-BUILT" DRAWINGS: FURNISH OWNER'S CONSTRUCTION MANAGER WITH ONE SET OF MARKED-UP PRINTS (HARDCOPY) AND ALSO IN AUTO CAD 2004 COMPATIBLE DRAWING FILE FORMAT (.DWG) SHOWING "AS-BUILT" INSTALLATION.
- 3.10 FINAL ACCEPTANCE: UPON COMPLETION OF WORK, PRESENT CERTIFICATE OF APPROVAL OF LOCATION OR GOVERNING INSPECTION AUTHORITY.
- 3.11 CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION VIII PAINTING

PART 1 GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE COMPLETION OF ALL PAINTING OF SURFACES COMPLETE, INCLUDING PAINTING OF THE FOLLOWING SURFACES:
- 1.1.1 MISCELLANEOUS METAL, DOWNSPOUTS, COLUMNS, POSTS, ISLAND FORMS, VENT RISERS, MANHOLE COVERS AND ELECTRICAL CONDUITS.
- 1.2 PAINTING DOES NOT INCLUDE:
- 1.2.1 PAINTING CANOPY SOFFITS.
 - 1.2.2 PAINTING LIGHT FIXTURES.
 - 1.2.3 PAINTING FUEL EQUIPMENT.
- 1.3 COLOR SCHEDULE: COLOR OF PAINTS SHALL BE AS LISTED IN THE 7-ELEVEN STORE STANDARDS MANUAL.

SECTION VIII CONTINUED

PART 2 - PRODUCTS

- 2.1 PAINT MANUFACTURERS AND PRODUCTS: PAINTING SYSTEM AS SPECIFIED WITHIN THE 7-ELEVEN STORE STANDARDS MANUAL.
- 2.2 PAINTING COATS AND PRODUCTS: SUPPLIED BY CONTRACTOR
- 2.2.1 PAINT ALL MANHOLES COVERS AND 4" SURROUNDING CONCRETE, INSIDE AND OUT, IN ACCORDANCE WITH STANDARD INDUSTRY COLOR CODE AS SHOWN:

API COLOR CODES:

OBSERVATION WELL UNLEADED REGULAR UNLEADED PREMIUM UNLEADED REGULAR W/EXTENDER UNLEADED PREMIUM W/EXTENDER DIESEL VAPOR RECOVERY KEROSENE INTERSTITIAL

PROVIDED BY MANUFACTURER WHITE W/BLACK CROSS RED W/WHITE CROSS WHITE W/BLACK CROSS & BLACK BAND RED W/WHITE CROSS & WHITE BAND SOLID YELLOW SOLID ORANGE SOLID BROWN BLACK

2.2.2 PAINT FASCIA SIGN FRAMES. PAINT GLOSSY WHITE - 2 COATS.

PART 3 - EXECUTION

- 3.1 PROTECTION: COVER ENTIRE CONCRETE SURFACES. NO PAINT OR SOLVENT SHALL BE ALLOWED TO COME IN CONTACT WITH CONCRETE SURFACES. WHERE IT BECOMES NECESSARY, IN ORDER TO EXECUTE HIS OWN WORK, FOR PAINTER TO REMOVE COVERINGS, PLATES, ETC., PLACED BY OTHER CONTRACTORS IN ANY BRANCH OF THE WORK, HE SHALL REPLACE SAME IN PROPER MANNER. IN SITUATIONS WHERE SAID COVERINGS, PLATES, ETC., CANNOT BE READILY REMOVED, PAINTER SHALL PROTECT THE WORK IN SOME OTHER SATISFACTORY MANNER. OILY RAGS AND WASTE MUST BE REMOVED EVERY NIGHT. UNDER NO CIRCUMSTANCES SHALL THEY BE ALLOWED TO ACCUMULATE. PAINTING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE WORK OF OTHER SUBCONTRACTORS AND SHALL REPAIR OR REPLACE AS NECESSARY TO THE SATISFACTION OF THE OWNER.
- 3.2 PREPARATION OF SURFACES: INSPECT ALL SURFACES TO BE PAINTED. REPORT ANY DISCREPANCIES TO THE CONTRACTOR PRIOR TO START OF WORK. STARTING OF PAINT APPLICATION SHALL CONSTITUTE ACCEPTANCE OF SURFACES AS SUITABLE FOR THE RECEPTION OF PAINT APPLICATION. ALL SURFACES SHALL BE CLEAN AND DRY, BETWEEN 50 AND 90 DEGREES FAHRENHEIT AT TIME OF PAINT APPLICATION. CLEAN METAL OF MILL SCALE, RUST, OIL, GREASE AND FOREIGN MATTER. CLEAN GALVANIZED METAL ACCORDING TO SSPC-SP 1-63 SOLVENT CLEANING. PROTECT ADJACENT AND FINISHED WORK FROM PAINT.
- 3.3 APPLICATION OF PAINT: DO NOT THIN, ADULTERATE OR CHANGE MATERIALS EXCEPT AS RECOMMENDED BY MANUFACTURER. EMPLOY ONLY SKILLED MECHANICS FOR WORK. ALL PAINTING SHALL BE BRUSHED, SPRAYED OR ROLLED EVENLY FOR THOROUGH COATS WITHOUT RUNS, SAGS OR OTHER BLEMISHES. ALLOW EACH COAT TO DRY BEFORE APPLYING SUBSEQUENT COATS. ALL SURFACES TO RECEIVE A MINIMUM OF 2 COATS AS NECESSARY TO ACHIEVE AN APPROVED FINISH. APPLICATION OF PAINT, ETC., SHALL BE IN STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS.
- 3.4 CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.

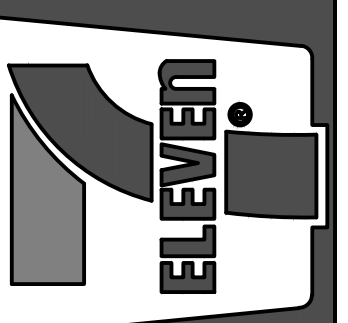
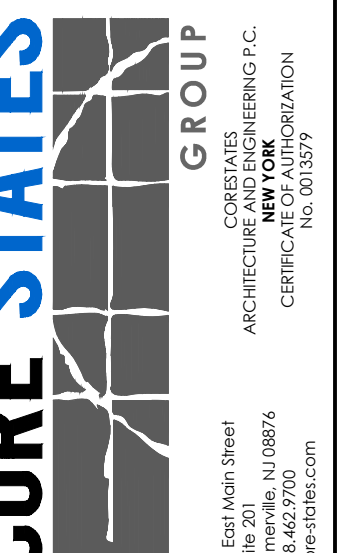

SECTION IX CANOPIES

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING AND INSTALLATION OF ALL ITEMS FOR THE INSTALLATION OF A COMPLETE GASOLINE CANOPY INCLUDING:
- 1.1.1 COMPLETE FABRICATION DRAWINGS INCLUDING FOOTINGS DESIGN.
 - 1.1.2 COMPLETE ABOVE GROUND STRUCTURAL SUPPORT SYSTEM.
 - 1.1.3 STEEL ROOF DECK AND GUTTER, 20 GA WHITE EMBOSSED.
 - 1.1.4 ROOF BRACING.
 - 1.1.5 CAP FLASHING.
 - 1.1.6 DOWN SPOUTS - INTERNAL INSIDE COLUMNS.
 - 1.1.7 PERMITS AND INSPECTIONS DONE BY OTHERS.
 - 1.1.8 INSTALLATION AND FRAMING FOR OWNER SUPPLIED FASCIA SIGNS (ELECTRICAL BY OTHERS).
 - 1.1.9 INSTALLATION AND FRAMING FOR FASCIA MATERIAL AS PER OWNER SPECIFICATIONS.

PART 2 - PRODUCTS

- 2.1 EMBOSSED ROOF STEEL DECK: ROOF STEEL DECK SHALL BE 2 1/4" MINIMUM DEEP, 20 GAUGE HIGH REFLECTIVE WHITE STEEL WITH MINIMUM SECTION MODULES OF 0.25 IN 1/4 3 MOMENT OF INERTIA OF 0.030 IN 1/4 4. IN CERTAIN AREAS, ROOF DECK WILL BE ALUMINUM. VERIFY WITH LOCAL CONSTRUCTION MANAGER.
- 2.2 STRUCTURAL STEEL:
- 2.2.1 ALL STRUCTURAL STEEL TO BE A.S.T.M. A-36 AND SHALL COMPLY WITH THE STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS OF A.I.S.C. AND WITH THE A.I.S.C. CODE OF STANDARD PRACTICE (LATEST EDITION).
 - 2.2.2 STRUCTURAL BOLTS SHALL CONFORM TO THE STANDARD SPECIFICATION A.S.T.M. A-307 AND SHALL BE PROVIDED WITH WASHERS UNDER THE NUTS.
 - 2.2.3 ALL OTHER BOLTS SHALL BE A-307 AND SHALL CONFORM TO A.S.T.M. STANDARDS, WITH WASHER REQUIRED.
 - 2.2.4 ALL HIGH STRENGTH BOLTS SHALL BE TORQUED TO PROVIDE A MINIMUM TENSION IN BOLT OF 90% OF MINIMUM PROOF LOAD OF THE BOLT.
 - 2.2.5 TUBE COLUMNS SHALL COMPLY WITH A-500, GRADE B.
 - 2.2.6 ALL TUBE COLUMNS SHALL BE 46 KSI STEEL. 2.2.7 ALL WELDING SHALL BE WITH E70XX ELECTRODES AND BE ACCOMPLISHED BY CERTIFIED WELDERS.

7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING TEXAS 75063 7-ELEVEN #38912 3451 CROMPOND ROAD YORKTOWN HEIGHTS, NEW YORK 10598 FUELING SPECIFICATIONS	Rev. # Date Description
Proto 12-01-2020	
	
 CORE STATES GROUP 44 East Main Street Somerville, NJ 08876 certified by the State of New York No. 0313179	
Job#: SEI-32507 Scale: AS NOTED Date: 08/24/21 Drawn By: GJD Checked By: CGC	
 STATE OF NEW YORK JONATHAN M. LEFFLER 082855 PROFESSIONAL ENGINEER 11-16-2021	
SHEET: G16.0 FUELING - USA	

PERFORMANCE SPECIFICATION - CONT.

SECTION IX CANOPIES - CONTINUED

PART 2 - EXECUTION

- 2.3 FASCIA:
- 2.3.1 VERTICAL SUPPORTS SHALL BE DESIGNED AND SPACED PER ENGINEERED (DESIGNED TO LOCAL CODES) STRUCTURAL DRAWINGS SUPPLIED BY CANOPY MANUFACTURER. SCREWS FOR FASCIA SHALL BE CARBON STEEL CADMIUM PLATED OR GALVANIZED - SIZE AS REQUIRED.
- 2.3.2 REFER TO PROJECT DRAWINGS FOR FASCIA MATERIAL AND INSTALLATION.
- 2.3.3 MATERIAL SHALL BE ONE OF THE FOLLOWING:
- A. PRE FINISHED METAL FASCIA SYSTEM.
- B. PRE FINISHED FASCIA MATERIAL AS SELECTED.

PART 3 - GENERAL

- 3.1 FABRICATION DRAWINGS:
- 3.1.1 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ENGINEERED AND STAMPED SHOP DRAWINGS FOR OVERHEAD STRUCTURE AND FOUNDATION SYSTEMS.
- 3.1.2 DRAWINGS SHALL SHOW PROJECT LOCATION AND ADDRESS.
- 3.1.3 ORIGINAL ENGINEER'S STAMP FOR APPROPRIATE STATE SHALL BE AFFIXED TO EACH PAGE OF DRAWINGS.
- 3.1.4 SHOP DRAWINGS SHALL SPECIFICALLY CALL OUT SOILS REPORT NUMBER AND DATE FOR WHICH CANOPY FOOTINGS WERE DESIGNED.
- 3.1.5 SHOP DRAWINGS SHALL SPECIFICALLY CALL OUT SIZE, WEIGHT, TYPE AND NUMBER OF ALL STRUCTURAL MEMBERS.
- 3.1.6 ALL DESIGN LOADS SHALL COMPLY WITH CURRENT BUILDING CODES AND LOCAL BUILDING DEPARTMENT REQUIRED LOADINGS, WHICHEVER IS MOST STRINGENT. MINIMUM DESIGN LOADS SHALL BE CONSIDERED TO BE: WIND 100#, LIVE 35#, UPLIFT 35# AND DEAD LOAD 35# OR AS LOCAL STRUCTURAL DESIGN DICTATES. IF APPLICATION IS SUBJECT TO HIGH ALTITUDE (SNOW) LOADING, DESIGN SHALL BE ADJUSTED TO COMPLY ACCORDINGLY.
- 3.1.7 DEFLECTION OF ALL STRUCTURAL MEMBERS SHALL BE LIMITED TO SPAN/180 FOR L.L. ONLY.
- 3.1.8 ATTACH DECK STRUCTURAL SUPPORTS PER ENGINEERED DRAWINGS.
- 3.1.9 ROOF DECK SHALL BE AN ICC-ES APPROVED DIAPHRAGM DECK AND ATTACHED IN A MANNER THAT COULD BE CONSIDERED A DIAPHRAGM. AN ALTERNATE TO THIS IS 1/2" DIAMETER STEEL ROD DIAGONAL X-BRACING WITH TURNBUCKLES. LAYOUT OF ROD BRACING AND CONNECTIONS TO STRUCTURAL MEMBERS SHALL BE APPROVED BY STRUCTURAL ENGINEER.
- 3.1.10 CONCRETE FOOTINGS SHALL BE MADE WITH STONE AGGREGATE AND SHALL HAVE A COMPRESSIVE STRENGTH TO A MINIMUM 3000 LBS. PER SQUARE INCH WITHIN 28 DAYS AFTER POURING.
- 3.1.11 ALL FOUNDATION METAL REINFORCEMENT SHALL BE OF FORMED TYPE BARS (EXCEPT #2 BARS) AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATION A.S.T.M. 615 GRADE 40.
- 3.1.12 THE SHOP DRAWINGS SHALL EXPLICITLY SHOW LOCATION OF DOWN SPOUTS, INTERIOR PVC DRAINS IN WARM WEATHER AREAS, ETC., AS RELATED TO ANY AND ALL UTILITIES AND/OR PIPING AT COLUMN LOCATIONS. ROOF DRAINS AND LEADERS SHALL BE DIRECTED DOWN THE INTERIOR CANOPY COLUMN EXITING SIDE OF ISLAND LEVEL OR ABOVE FINISH GRADE OF CONCRETE SIDE PAD ON DOWNHILL SIDE OF ISLAND.
- 3.1.13 INCLUDE IN DESIGN PROVISION FOR OVERFLOW DEVICE AT OPPOSITE CORNERS OF CANOPY.
- 3.1.14 CONSTRUCTION NOT SPECIFICALLY INDICATED SHALL BE ACCOMPLISHED PER MINIMUM REQUIREMENTS OF THE UNIFORM BUILDING CODE, LATEST EDITION.
- 3.1.15 IF THERE ARE ANY CONFLICTS BETWEEN LINES ON DRAWINGS AND GENERAL NOTES OR WITH SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS GOVERN.
- 3.1.16 ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS SHALL BE APPROVED BY 7-ELEVEN, INC.'S CONSTRUCTION REPRESENTATIVE.
- 3.1.17 FABRICATION DRAWINGS SHALL BE DELIVERED TO APPLICABLE CONSTRUCTION OFFICE A MINIMUM OF 4 WEEKS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NO WORK SHALL COMMENCE PRIOR TO APPROVAL OF DRAWINGS BY 7-ELEVEN, INC.'S CONSTRUCTION REPRESENTATIVE.

SECTION IX CANOPIES - CONTINUED

PART 3 - GENERAL - CONTINUED

- 3.2 EXECUTION:
- 3.2.1 COORDINATE DELIVERY AND INSTALLATION WITH FUEL CONTRACTOR THROUGH LOCAL CONSTRUCTION OFFICE. MATERIALS SHALL BE STORED AT POSITION AS INDICATED BY FUEL CONTRACTOR.
- 3.2.2 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FOOTING ANCHOR BOLTS AND TEMPLATE FOR DELIVERY TO FUEL CONTRACTOR 2 WEEKS PRIOR TO INSTALLATION. SIZE IN ACCORDANCE WITH SHOP DRAWINGS AND IN ACCORDANCE WITH FUEL CONTRACTOR'S SCHEDULE OF CONSTRUCTION.
- 3.2.3 FOOTINGS FOR CANOPY AND PLACEMENT OF ANCHOR BOLTS SHALL BE PERFORMED BY FUEL CONTRACTOR AS PER APPROVED SHOP DRAWINGS. TYPE OF CONCRETE SHALL BE AS PER SHOP DRAWINGS. TYPE, SIZE, AND PLACEMENT OF ALL REINFORCED STEEL SHALL BE AS PER SHOP DRAWINGS.
- 3.2.4 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND NOTIFY 7-ELEVEN, INC.'S CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES FOUND. REFER TO SITE PLAN FOR SIZE, TYPE AND PLACEMENT OF CANOPY
- 3.2.5 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR BEING PROPERLY LICENSED IN LOCAL INSTALLATION AS WELL AS PROVIDING OWN PERMITS AS MAY BE REQUIRED. A COPY OF THE PERMIT MUST BE ON FILE IN THE LOCAL CONSTRUCTION OFFICE PRIOR TO COMMENCING WORK.
- 3.2.6 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION OFFICE WITH ACCEPTABLE INSURANCE AS REQUIRED PER 7-ELEVEN, INC. INSURANCE SPECIFICATIONS AND STANDARD CONTRACT FOR CONSTRUCTION. INSURANCE SHALL BE IN EFFECT FOR DURATION OF WORK.
- 3.2.7 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL WORK OF OTHER CONTRACTORS ALREADY IN PLACE, AS MAY BE REQUIRED.
- 3.2.8 CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND OBTAINING APPROVAL OF FUEL CONTRACTOR PRIOR TO PLACING OF ANY HEAVY EQUIPMENT ON TOP OF CONCRETE WORK ALREADY IN PLACE.
- 3.2.9 ALL FOOTINGS SHALL BE ON FIRM UNDISTURBED SOILS OR FILL COMPACTED TO 95% MAXIMUM DENSITY BASED ON A.S.T.M. D 1557-70. IF ANY POOR SOIL CONDITION IS DISCOVERED DURING EXCAVATION, THE DESIGN ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR SOIL BEARING VERIFICATION.
- 3.2.10 SUPPORTING COLUMNS SHALL BE PLACED AS PER 7-ELEVEN, INC. FUEL PLANS AND AS PER APPLICABLE SITE PLAN.
- 3.2.11 CANOPY SUPPORT COLUMNS SHALL BE CAPPED AT TOP.
- 3.2.12 ALL MATERIALS SHALL BE ALIGNED TRUE AND FLAT AND ALL PLANES SHALL BE FLAT, TRUE TO ESTABLISHED LINES WITH ALL SOFFITS BEING LEVEL AND VERTICAL WALLS CORRECT AND ACCEPTABLE. PARAPET FASCIA SHALL BE VERTICAL AND PLUMB. ALL INTERSECTIONS SHALL BE TRUE AND STRAIGHTEDGE LINES. MATERIALS SHALL BE LEFT IN ACCEPTABLE CONDITION TO BE PAINTED BY OTHERS. ALL METAL SHALL BE FREE OF DEBRIS AS MAY BE REQUIRED FOR FINAL PAINTING/FINISHING.
- 3.2.13 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR NON-SHRINK GROUT BENEATH BASE PLATE AND POURING OF CONCRETE AROUND CANOPY COLUMNS, COVERING ANCHOR BOLTS AS MAY BE REQUIRED.
- 3.2.14 CANOPY CONTRACTOR SHALL LEAVE ALL EXPOSED STRUCTURAL STEEL FREE OF DEBRIS, PRIMED AND READY FOR FINAL PAINTING BY FUEL CONTRACTOR.
- 3.3 RESPONSIBILITIES OF FUEL CONTRACTOR:
- 3.3.1 SHALL BE RESPONSIBLE FOR A MINIMUM OF 30 DAY NOTIFICATION OF DATE WHEN SITE WILL BE READY FOR INSTALLATION OF GASOLINE CANOPY.
- 3.3.2 UPON AGREED DATE BETWEEN FUEL CONTRACTOR AND CANOPY CONTRACTOR, THE SITE SHALL BE FREE OF MATERIAL, MOVABLE EQUIPMENT AND DEBRIS, LEVEL AND IN PROPER CONDITION FOR CANOPY INSTALLATION. FUEL CONTRACTOR SHALL PERFORM SITE WORK AS MAY BE REQUIRED TO COMPLY.
- 3.3.3 FUEL CONTRACTOR SHALL NOT INSTALL GASOLINE DISPENSERS PRIOR TO CANOPY ERECTION, UNLESS AGREED UPON IN WRITING BETWEEN THE CANOPY CONTRACTOR AND FUEL CONTRACTOR.
- 3.3.4 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CANOPY FOOTINGS AS DESIGNED IN SHOP DRAWINGS PROVIDED BY CANOPY MANUFACTURER, PROVIDING ALL STEEL, ETC., (WITH THE EXCEPTION OF ANCHOR BOLTS TO BE PROVIDED BY CANOPY CONTRACTOR). FOOTINGS SHALL BE POURED IN A SUFFICIENT AMOUNT OF TIME, SO PROPER CURING TIME IS ALLOWED.
- 3.3.5 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING OF ALL METAL AND TRIM AS RELATED TO THE GASOLINE CANOPY AS PER 7-ELEVEN STORE STANDARDS MANUAL.
- 3.3.6 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRING AND INSTALLATION OF LIGHTS, SIGNS, SECURITY LIGHTS, ETC., IN CONJUNCTION WITH NORMAL GASOLINE INSTALLATION. G.C. SHALL CAULK SEAL ALL LIGHT FIXTURES TO CANOPY DECK.
- 3.3.7 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING BLOCK OUTS AS MAY BE REQUIRED FOR INSTALLATION OF CANOPY IN ACCORDANCE WITH SHOP DRAWINGS AND PLACEMENT OF ANCHOR BOLTS IN ACCORDANCE WITH SHOP DRAWINGS AS RELATED THERETO.
- 3.4 WARRANTIES: CANOPY CONTRACTOR SHALL WARRANTY, IN WRITING, COMPLETE CANOPY INSTALLATION FOR A MINIMUM PERIOD OF 2 YEARS. A 5 YEAR WARRANTY GUARANTEEING INSTALLATION TO BE FREE OF DESIGN AND INSTALLATION DEFECTS, EXCLUDING ACTS OF MAN, GOD AND NORMAL WEAR AND TEAR.
- 3.5 CLEAN-UP: CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL FROM SITE ALL TRASH AND DEBRIS RESULTING FROM WORK RELATING TO INSTALLATION OF CANOPY.

SECTION X POST CONSTRUCTION TESTING REQUIREMENT

PROCEDURES FOR POST CONSTRUCTION TESTING

1.1 SCOPE OF WORK

THIRD PARTY TESTS ARE REQUIRED TO BE PERFORMED ON ANY POST CONSTRUCTION ACTIVITIES ASSOCIATED WITH NEW INSTALLATION, UPGRADE, REPLACEMENT OR REPAIR OF OR TO THE UNDERGROUND STORAGE TANK (UST) SYSTEMS, IF THE WORK INVOLVES PRODUCT PIPING, TANK SUMPS, DISPENSER SUMPS AND PANS OR SPILL CONTAINMENT BUCKETS.

TANKNOLOGY, INC IS CURRENTLY UNDER CONTRACT TO PERFORM ALL REQUIRED TESTS AS THE NATIONAL 3RD PARTY TESTING CONTRACTOR AND MUST BE USED TO PERFORM POST CONSTRUCTION TESTING TO ENSURE THAT 7-ELEVEN MAINTAINS CONTINUITY WITH THE COMPANY'S REGULATORY COMPLIANCE TESTING PROGRAM. THE ONLY EXCEPTION APPLIES IF LOCAL REGULATIONS REQUIRE THAT THE INSTALLATION CONTRACTOR PERFORM THE REQUIRED TESTS AND THE TESTS ARE WITNESSED ON SITE BY A REGULATORY ENTITY. IN THESE CASES THE INSTALLATION CONTRACTOR MUST SUBMIT DOCUMENTATION OF THE REGULATORY WITNESSED TESTS, AS WELL AS THE RESULT OF ANY SUCH TEST, DIRECTLY TO 7-ELEVEN, INC. COMPLIANCE DEPARTMENT.

IT WILL NOT BE NECESSARY FOR TANKNOLOGY TO RETEST A COMPONENT WHICH WAS TESTED BY THE CONTRACTOR, IF THAT TEST WAS WITNESSED BY A REGULATOR. IN THESE CASES THE CONTRACTOR MUST SUBMIT RESULTS OF THE TEST, AS WELL AS, COPIES OF REGULATOR INSPECTION REPORT WITHIN 48 HOURS OF COMPLETION OF THE TEST TO THE ADDRESS LISTED BELOW.

THE REQUIRED TESTS ARE DIVIDED INTO TWO CATEGORIES, PRE-FUEL TEST AND POST FUEL TEST.

THE TESTS PERFORMED DURING EACH PHASE ARE LISTED BELOW.

PRE-FUEL TEST - TEST PERFORMED BEFORE FUEL IS INTRODUCED OR DELIVERED INTO THE UST SYSTEM.

THE FOLLOWING TESTS ARE RECOMMENDED TO BE PERFORMED BEFORE FUEL IS INTRODUCED INTO THE UST SYSTEM:

PRE-FUEL TEST	ESTIMATED TEST DURATION
STP SUMPS	MINIMUM 4 HOURS
DISPENSER SUMPS/CONTAINMENT	MINIMUM 4 HOURS
SPILL CONTAINMENT BUCKETS	MINIMUM 1 HOUR

TANKNOLOGY MAY USE ONE OF THE FOLLOWING TEST METHODS: HYDROSTATIC, PRESSURE OR VACUUM.

WATER USED TO PERFORM THESE PRE-FUEL TESTS MAY BE DISCHARGED ON SITE AS LONG AS THE WATER WAS NOT IN CONTACT WITH ANY FUEL.

CONTRACTOR PREPARATION FOR PRE-FUEL (BEFORE DELIVERY) TESTING

- THE TANKS, PIPING AND DISPENSERS MUST BE ACCESSIBLE TO INCLUDE ASPHALT AND CONCRETE THAT CAN BE DRIVEN UPON.
- 110 VOLT AC CURRENT MUST BE AVAILABLE
- ALL PRODUCT PIPING, TANK SUMP, SPILL BUCKET AND DISPENSER SUMP/LINER WORK MUST BE COMPLETE AND COMPONENTS ACCESSIBLE.
- TEST VALVES MUST BE INSTALLED FOR THE SECONDARY PRODUCT PIPING.
- DISPENSERS DO NOT NEED TO BE IN PLACE AND PRODUCT PIPING DOES NOT NEED TO BE PURGED.
- AS AN OPTION TO SIGNIFICANTLY REDUCE TIME ON SITE, THE CONTRACTOR SHOULD FLOOD ALL TANK SUMPS AND DISPENSER SUMPS WITH CLEAN WATER THE NIGHT BEFORE THE SCHEDULED TESTING. WATER MUST BE ADDED TO A MINIMUM OF 3 INCHES ABOVE THE HIGHEST PENETRATION OR SEAM IN THE SUMP OR PAN.
- THE CONTRACTOR SHOULD ALLOW SEVERAL HOURS TO ALLOW THE WATER LEVEL TO STABILIZE AND MARK THE LEVEL OF THE WATER WITH A PERMANENT MARKER.

POST FUEL TEST - TEST PERFORMED AFTER FUEL IS INTRODUCED OR DELIVERED INTO THE UST SYSTEM.

POST-FUEL TEST	ESTIMATED TEST DURATION
TANK INTERSTICE	MINIMUM 1 HOUR PER TANK
TANK PRIMARY (TIGHTNESS)	MINIMUM 2 1/2 HOURS
LINE/PIPE INTERSTICE	MINIMUM 1 HOUR PER LINE/PIPE
LINE PRIMARY (TIGHTNESS)	COMPLETED DURING TANK TEST
LINE LEAK DETECTOR	COMPLETED DURING TANK TEST
STAGE II (WHERE APPLICABLE)	MINIMUM 3 HOURS
*AUTOMATIC TANK GAUGE (ATG) CERTIFICATION	MINIMUM 2 HOURS
OTHER (AS REQUIRED BY STATE OR LOCAL ORDINANCE)	UNKNOWN

*DOES NOT INCLUDE NEW AUTOMATIC TANK GAUGE (ATG) INSTALLATION. CERTIFICATION OF NEW ATG IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

NOTE: WATER USED TO PERFORM TESTING OF (STP) SUMPS, DISPENSER SUMPS AND/OR SPILL BUCKETS, AFTER FUEL IS INTRODUCED/DELIVERED INTO THE UST SYSTEM CANNOT BE DISCHARGED ON SITE.

WATER THAT IS OR WAS IN CONTACT WITH FUEL MUST BE PROPERLY DISCHARGED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND/OR LOCAL REGULATIONS.

CONTRACTOR PREPARATION FOR POST-FUEL (AFTER DELIVERY) TESTING

- THE FUEL LEVEL MUST BE BETWEEN 70-80 PERCENT OF TANK CAPACITY
- COMPARTMENTALIZED TANKS MUST HAVE FUEL LEVELS WITHIN 10" OF EACH OTHER.

ALL FUELING INCLUSIVE OF STAGE I AND STAGE II VAPOR RECOVERY AREAS THE FOLLOWING CONDITIONS MUST APPLY.

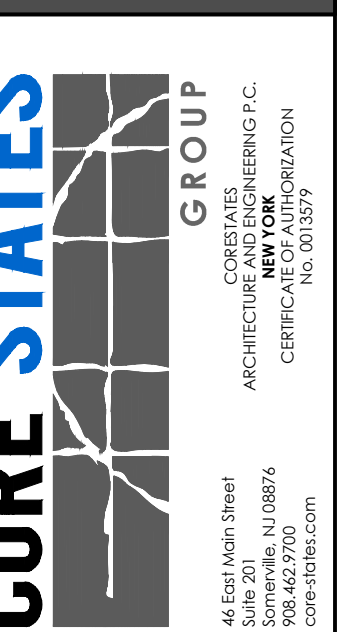
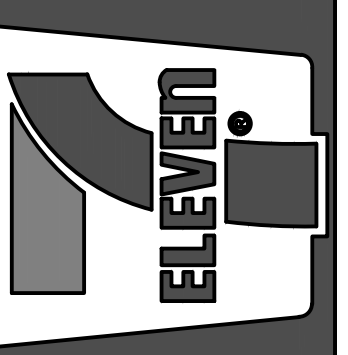
- ALL PRODUCT PIPING MUST BE THOROUGHLY PURGED OF AIR AND VAPORS.
- THE DISPENSERS MUST BE SET AND OPERATIONAL TO INCLUDE ALL VAPOR VACUUM PUMPS AND OTHER STAGE II EQUIPMENT FULLY FUNCTIONAL. REPLACE FILTER AFTER PURGING.
- ALL HANGING HARDWARE MUST BE INSTALLED AND OPERATIONAL
- THE TANKS, PIPING AND DISPENSERS MUST BE ACCESSIBLE TO INCLUDE ASPHALT AND CONCRETE THAT CAN BE DRIVEN UPON.
- 110 VOLT AC CURRENT MUST BE AVAILABLE
- TEST VALVES MUST BE INSTALLED FOR THE SECONDARY PRODUCT PIPING.

CONTRACTOR NOTIFICATION TO TESTING COMPANY (TANKNOLOGY):

IT IS RECOMMENDED THAT THE CONTRACTOR PROVIDE NOTIFICATION TO TANKNOLOGY OF THE NEED TO PERFORM TESTS AT LEAST 14 DAYS PRIOR TO THE ANTICIPATED TEST DATE. HOWEVER, TO ENSURE TESTS ARE CONDUCTED IN A TIMELY MANNER A MINIMUM OF FIVE (5) DAYS IS REQUIRED. TANKNOLOGY UNDERSTANDS THAT ACTUAL DATE MAY CHANGE, BY PROVIDING THEM WITH AS MUCH TIME AS POSSIBLE ALLOWING THEM TO MAINTAIN A TIME SLOT IN THEIR SCHEDULE TO SHIFT AS NECESSARY. THE CONTRACTOR MUST KEEP TANKNOLOGY ADVISED OF THE ANTICIPATED DATE AND TIME THAT THE TESTING WILL BE NEEDED AS PROJECTED DATES CHANGE.

Description	
Date	
Rev. #	
Proto 12-01-2020	

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063
7-ELEVEN #38912
3451 CROMPOD ROAD
YORKTOWN HEIGHTS, NEW YORK 10598
FUELING SPECIFICATIONS

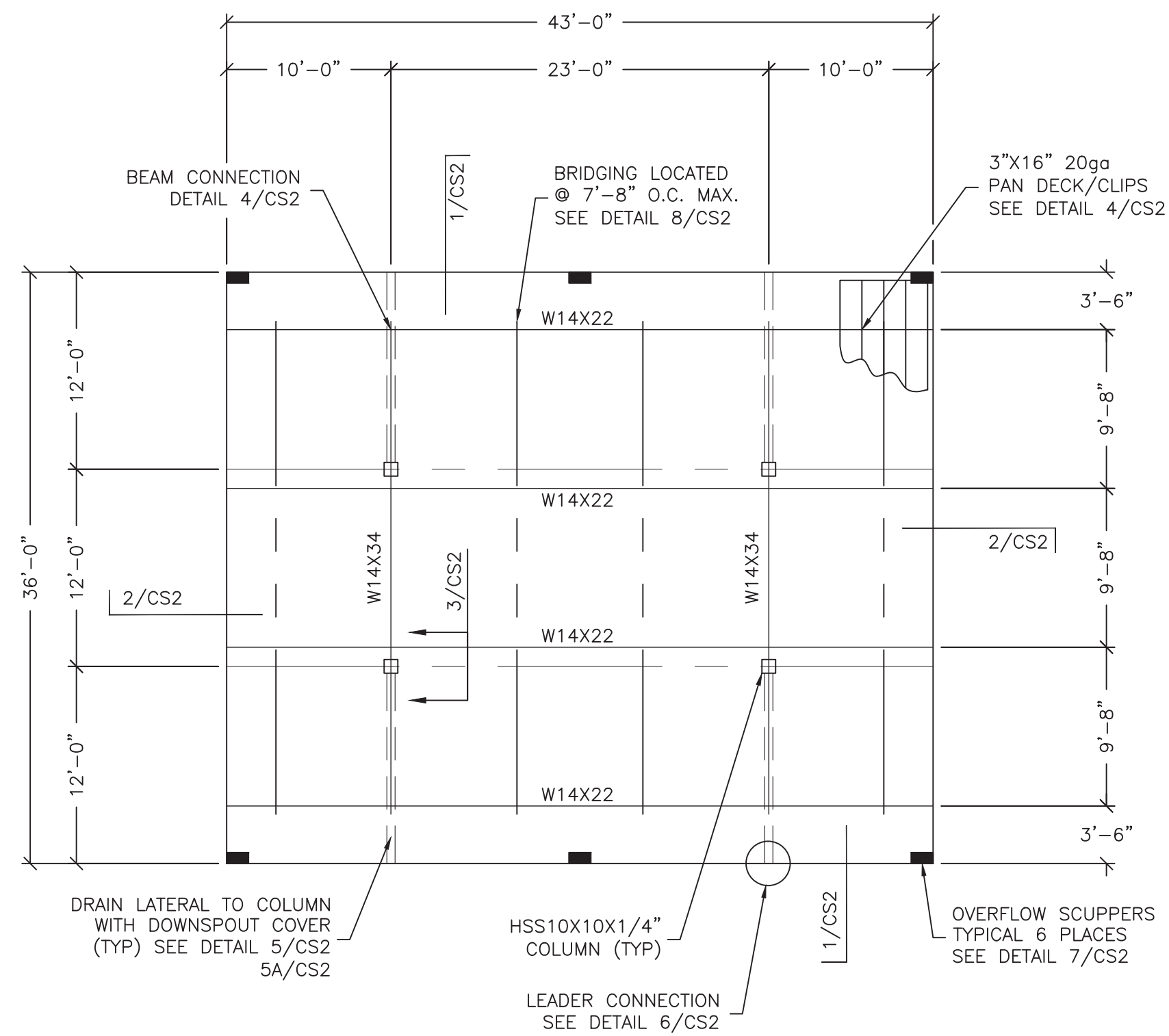


Job#: SEI-32507
Scale: AS NOTED
Date: 08/24/21
Drawn By: GJD
Checked By: CGC

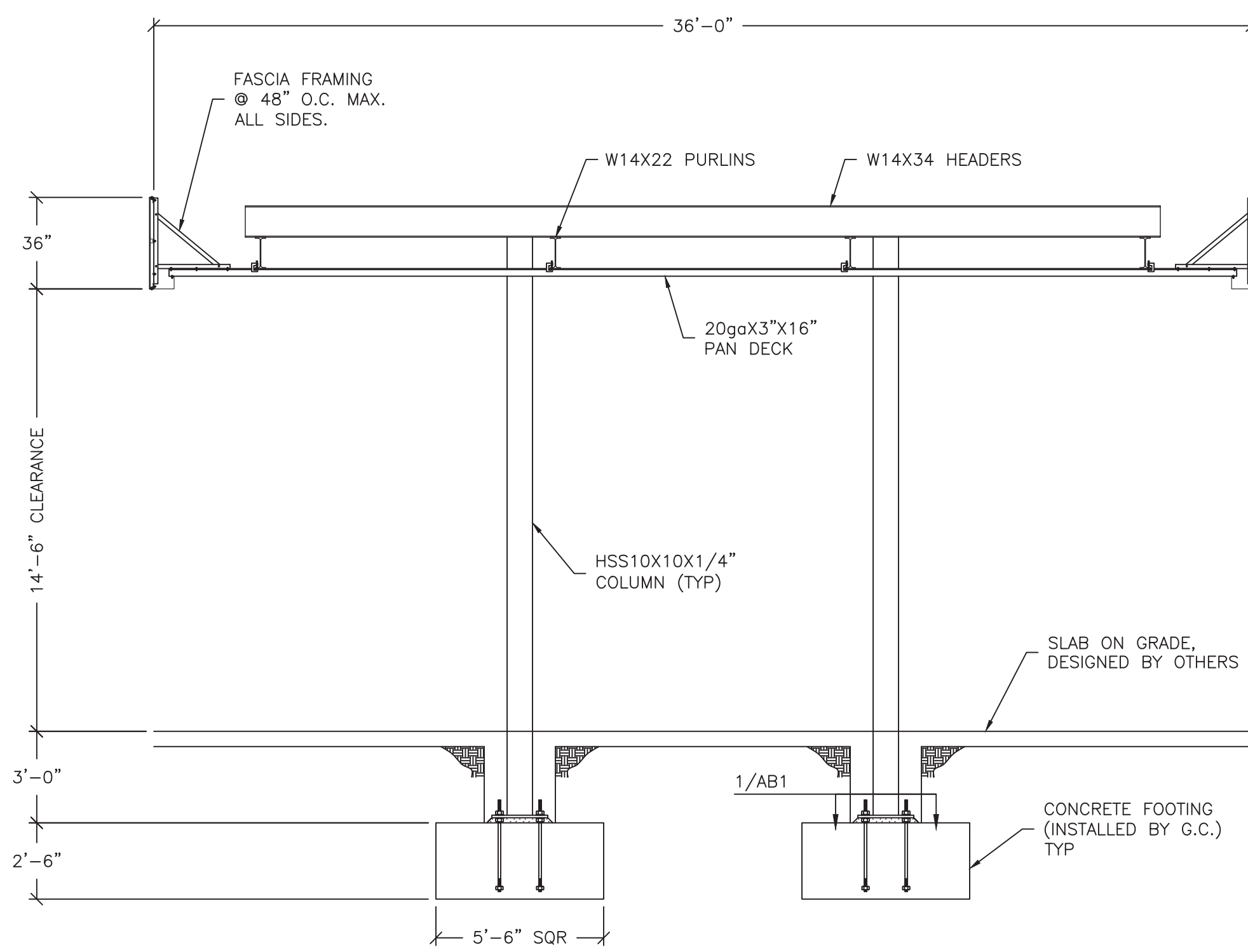
Documents prepared by Core States Group are for use only for the specific project and intended. Any extension of use beyond the project or to any other party, without the expressed, written consent of Core States Group is considered unauthorized. Core States Group is not responsible for any other than that specifically intended, user will hold Core States Group harmless from all claims and lawsuits.



SHEET:
G17.0
FUELING - USA



FRAMING PLAN
SCALE: 1/8"=1'-0"



SECTION/ELEVATION
SCALE: 1/4"=1'-0"

NOTICE: THIS DOCUMENT IS THE PROPERTY OF JIMCO SALES & MFG. NEITHER THIS DOCUMENT NOR ANY DATA OR INFORMATION HEREIN SHALL BE COPIED OR REPRODUCED IN ANY MANNER, LOANED OR OTHERWISE DISPOSED OF, OR USED FOR ANY PURPOSE WHATSOEVER, WITHOUT THE PRIOR WRITTEN PERMISSION OF JIMCO SALES & MFG. IF THIS DOCUMENT IS LOANED BY OR WITH THE AUTHORITY OF JIMCO SALES & MFG, THE BORROWER, INCONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THIS DOCUMENT ON REQUEST OR UPON COMPLETION OF THE SPECIFICALLY AUTHORIZED WORK FOR WHICH IT WAS USED.

CANOPY NOTES

- GENERAL NOTES:**
 A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE.
 B. OBSERVATION VISITS TO THE SITE BY THE DESIGN ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
 C. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN LIMITS OF DESIGN LOADS.
 D. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.
- BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE
 - USE GROUP: M. CONSTRUCTION TYPE = IIB
 - DESIGN LOADS:
 - A. ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
 - B. CANOPY DEAD LOAD: 10.40 PSF
 - C. GROUND SNOW LOAD P_g : 30 PSF
 - FLAT ROOF SNOW LOAD P_f : 25.20 PSF
 - RAIN ON SNOW SURCHARGE: 0 PSF IF $P_g < 20$
 - EXPOSURE FACTOR C_e : 1.0
 - IMPORTANCE FACTOR I_s : 1.0
 - THERMAL FACTOR C_t : 1.2
 - BASIC WIND SPEED: $V=115$ MPH, $V_{asd}=89$ MPH
 BUILDING RISK CATEGORY: II
 EXPOSURE: C
 COMPONENT & CLADDING: ASCE 7-16 CHAPTER 30
 - EARTHQUAKE DESIGN:
 - IMPORTANCE FACTOR: 1.0
 - $S_s=0.172g$ $S_{d8}=0.183g$
 - $S_1=0.046g$ $S_{d1}=0.074g$
 - SITE CLASS: D
 - SEISMIC DESIGN CATEGORY: B
 - SEISMIC FORCE RESISTING SYSTEM: G.2 STEEL ORDINARY CANTILEVERED COLUMN SYSTEM
 - DESIGN BASE SHEAR: 2.36k
 - SEISMIC RESPONSE COEFFICIENT: $C_s = 0.15$
 - RESPONSE MODIFICATION FACTOR: $R=1.25$
 - SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
 - FOUNDATION DESIGN:
 - ALLOWABLE BEARING PRESSURE: 1500 PSF
 - LATERAL PRESSURE: 100 PSF/FT OF DEPTH
 - NOTE GEOTECH INVESTIGATION NOT PROVIDED. VALUES ARE PRESUMPTIVE FROM THE BUILDING CODE.
 - CONCRETE AND REINFORCEMENT:
 - A. CONCRETE FOOTINGS (EXPOSURE CLASSES F0, S0, W0, CO) TYPE II
 - CEMENT COMPRESSIVE STRENGTH OF $f'_c = 3000$ p.s.i.
 - B. SLAB ON GRADE (BY OTHERS)
 - C. CONCRETE DESIGNED USING $f'_c = 2500$ p.s.i. OR ABOVE SHALL HAVE SPECIAL INSPECTIONS PERFORMED, UNLESS ISOLATED SPREAD FOOTINGS ARE UTILIZED. SEE SPECIAL INSPECTIONS FOR THE CANOPY CONCRETE NOTE.
 - D. REBAR: ASTM A615 GRADE 60
 - E. STIRRUPS AND TIES SHALL HAVE MINIMUM #4 HOOKS.
 - F. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:
 - CONCRETE EXPOSED TO GROUND-----3"
 - FORMED CONCRETE EXPOSED TO GROUND-----2"
 - FORMED CONCRETE NOT EXPOSED TO GROUND-----1 1/2"
 - G. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT COMPLYING WITH ASTM C1107, $f'_c=5000$ p.s.i. AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
 - H. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING TOP OF FOOTING ELEVATIONS AS REQUIRED FOR UNDERGROUND PLUMBING AND ELECTRICAL.
 - STRUCTURAL STEEL:
 - A. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATION FOR THE DESIGN OF STRUCTURAL STEEL FOR BUILDINGS" 15TH EDITION.
 - B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, 4.4.2, AND 7.15.
 - C. AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS"
 - D. STRUCTURAL STEEL GRADES:
 - STEEL BEAMS ASTM A992 GRADE 50 $F_y = 50,000$ psi
 - HSS SQUARE & RECTANGLES ASTM500 GRADE C $F_y = 50,000$ psi
 - HSS ROUND COLUMNS: $F_y = 46,000$ psi
 - PIPE ASTM A53 GRADE B $F_y = 35,000$ psi
 - BASE PLATES, CAP PLATES AND CAP PLATE STIFFENERS: $F_y = 50,000$ psi
 - ASTM A572 GRADE 50 $F_y = 50,000$ psi
 - ANGLES ASTM A36 $F_y = 36,000$ psi
 - E. ALL BOLTED CONNECTIONS SHALL BE ASTM A307 BOLTS UNLESS OTHERWISE SPECIFIED (NO SPECIAL INSPECTION REQUIRED).
 - F. ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RCSC.
 - G. METAL PAN DECK SHALL BE 20ga ASTM A653 GRADE 40.

SPECIAL INSPECTIONS FOR THE CANOPY

- IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS, IF APPLICABLE, WILL REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE. JIMCO SALES AND MANUFACTURING IS AN AISC APPROVED FABRICATOR (218031061-10INIT).
- STRUCTURAL STEEL - SPECIAL INSPECTION REQUIRED IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360 (IBC 1705.2.1).
 - WELDING - SPECIAL INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED FABRICATOR SHOP AS PER IBC 1704.2.5.1
 - CONCRETE - SPECIAL INSPECTION IS NOT REQUIRED FOR ISOLATED SPREAD CONCRETE FOOTINGS PER IBC 1705.3 EXCEPTION 1.
 - ANCHOR BOLTS - PERIODIC SPECIAL INSPECTION OF ANCHOR BOLT INSTALLATION REQUIRED PER IBC TABLE 1705.3.
 - HIGH STRENGTH BOLTS - IF REQUIRED A325 BOLTS SHALL BE PRETENSIONED USING AN ACCEPTABLE METHOD SUCH AS "TURN OF NUT" AS PER RCSC SPECIFICATION SECTION 8.2. PERIODIC SPECIAL INSPECTION REQUIRED.

SEISMIC FORCE RESISTING SYSTEM (SFRS)

- REFER TO AISC 341-16 SECTION A4 AND ASCE 7-16.
- DESIGNATION OF SFRS: G.2. STEEL ORDINARY CANTILEVER COLUMN SYSTEMS (ASCE 7-16 TABLE 12.2-1) SEE AISC 341-16 SECTION E5 (OCCS).
- $R = 1.25$, $C_s = 0.15$
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
- MEMBERS AND CONNECTIONS THAT ARE PART OF THE SFRS:
 - COLUMNS
 - COLUMN BASE CONNECTION
 - FOOTINGS
- PROTECTED ZONES: N/A
- SEE DETAILS AND NOTE FOR CONNECTION CONFIGURATIONS, MATERIALS SPECIFICATIONS AND SIZES.
- WELD FILLER MATERIALS FOR WELDS PART OF THE SFRS:
 - YIELD STRENGTH - 58 KSI MIN
 - TENSILE STRENGTH - 70 KSI MIN
 - ELONGATION - 22% MIN
 - CVN TOUGHNESS - 20 FT-LB MIN @ 0° F
- SEE DETAILS AND NOTES FOR OTHER WELDING REQUIREMENTS
- DEMAND CRITICAL WELDS - N/A
- LOWEST ANTICIPATED SERVICE TEMPERATURE - 0° F



Jimco
SALES AND
MANUFACTURING
3113 St. Louis Ave. Fort Worth, Texas (817)924-6173

DRAWING DESCRIPTION
CANOPY STRUCTURAL
NOTES AND PLANS

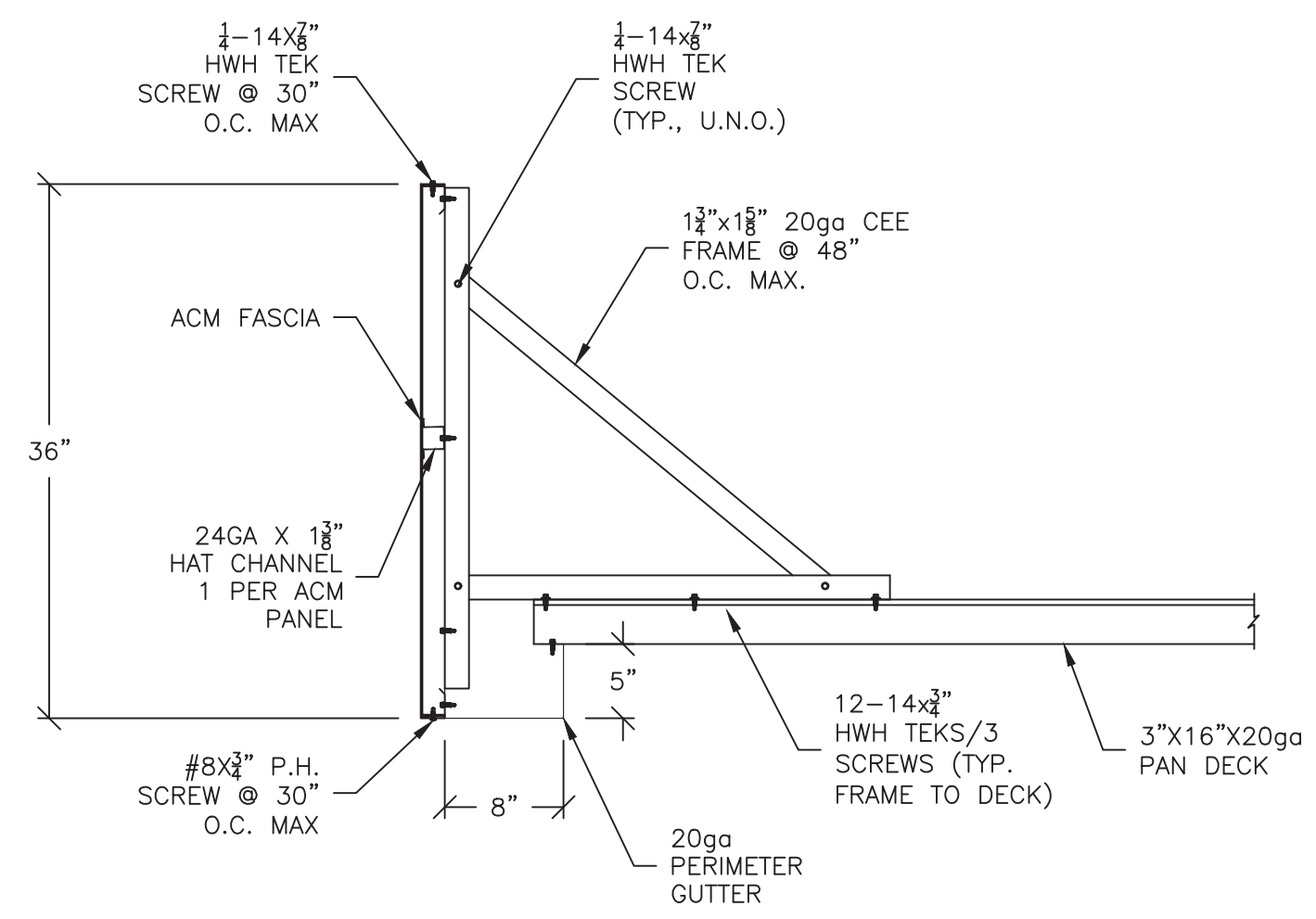
JOB LOCATION
7-ELEVEN #38912
3451 CROMPTON RD
YORKTOWN HEIGHTS, NY



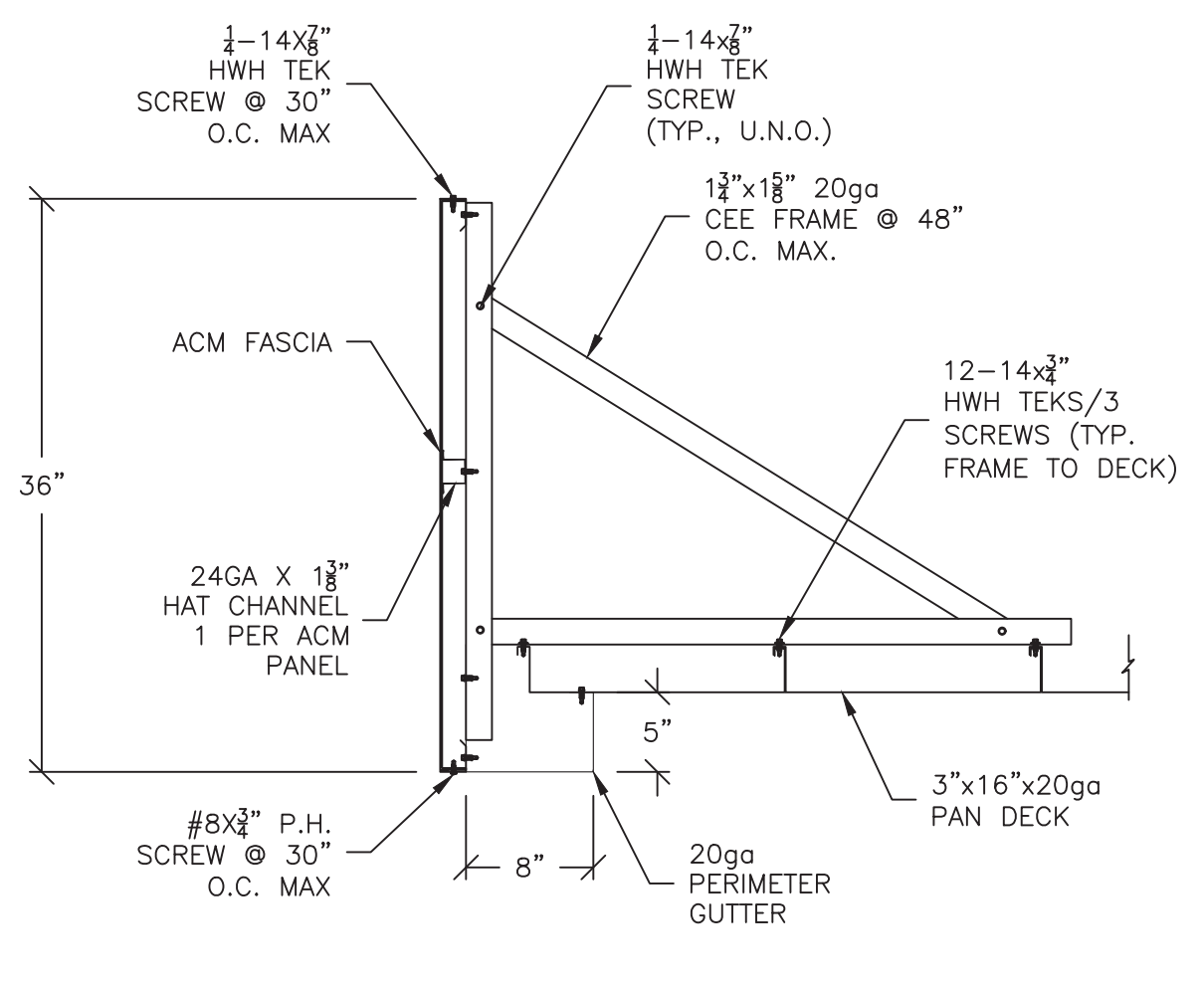
CUSTOMER 7-ELEVEN, INC - CYPRESS WATERS	REVISIONS	BY:	
		DATE:	
DRAWN BY: D. CYPHERS	NO. DESCRIPTION:	BY:	
		DATE:	

NO.	DESCRIPTION:
1.0-18-2021	

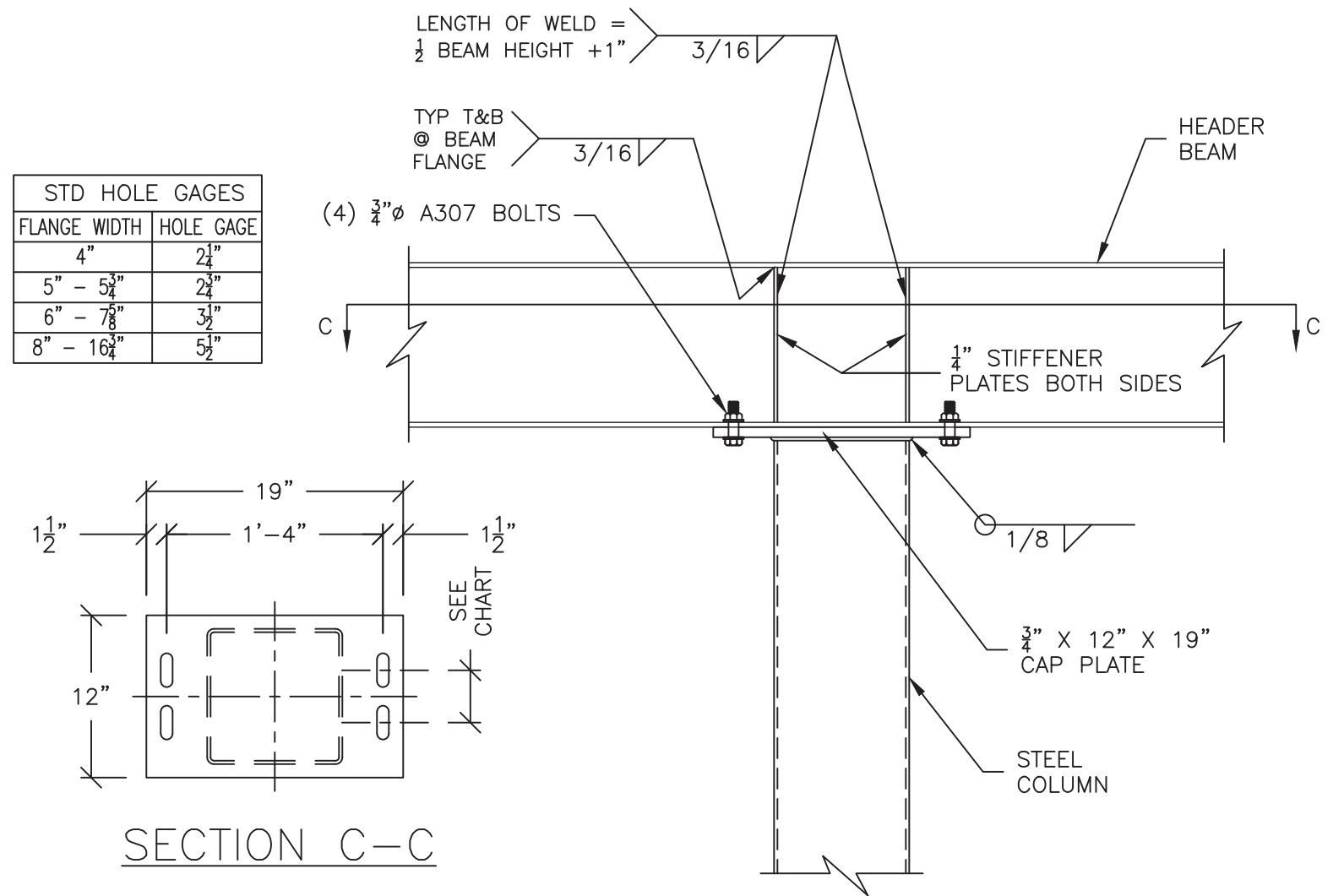
JOB NO.
21-3107R0
DWG. NO.
CS1
OF 3 SHEETS



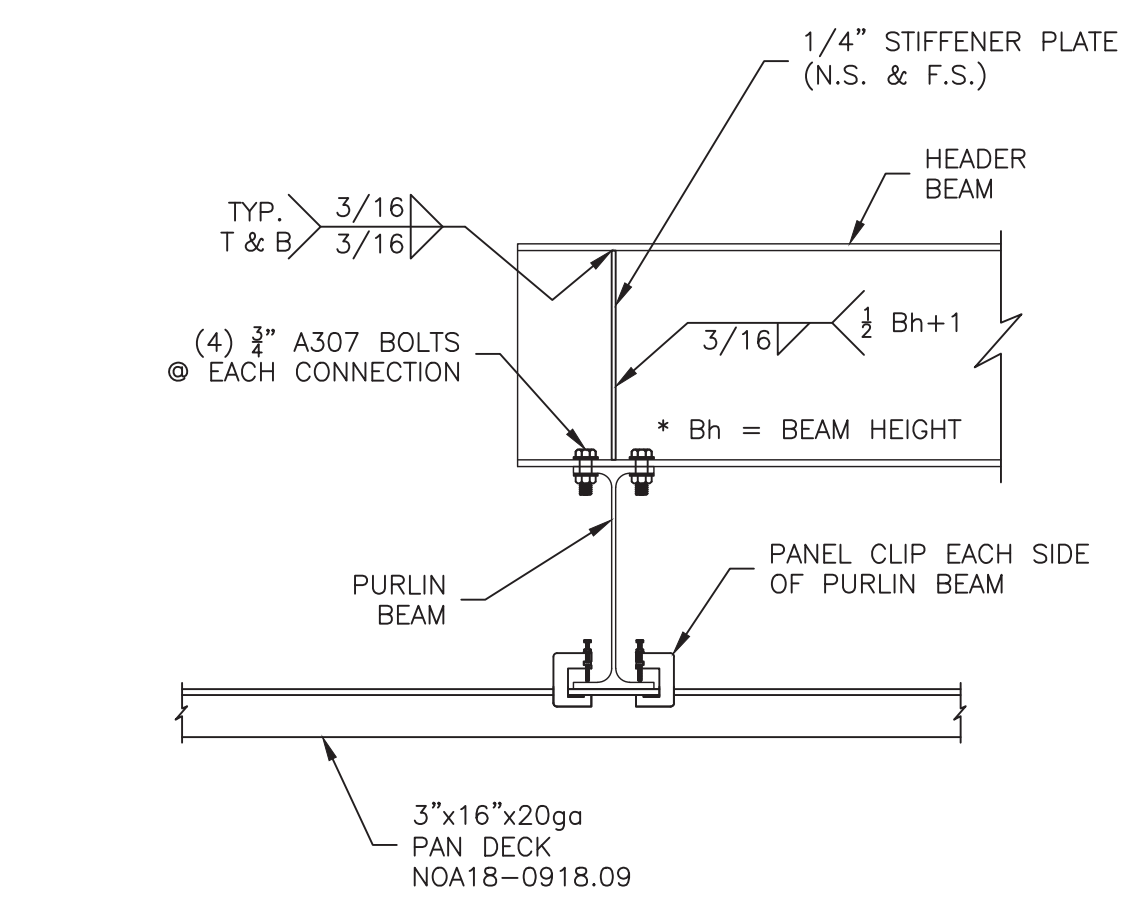
1 SIDE FASCIA DETAIL
SCALE: 1"=1'-0"



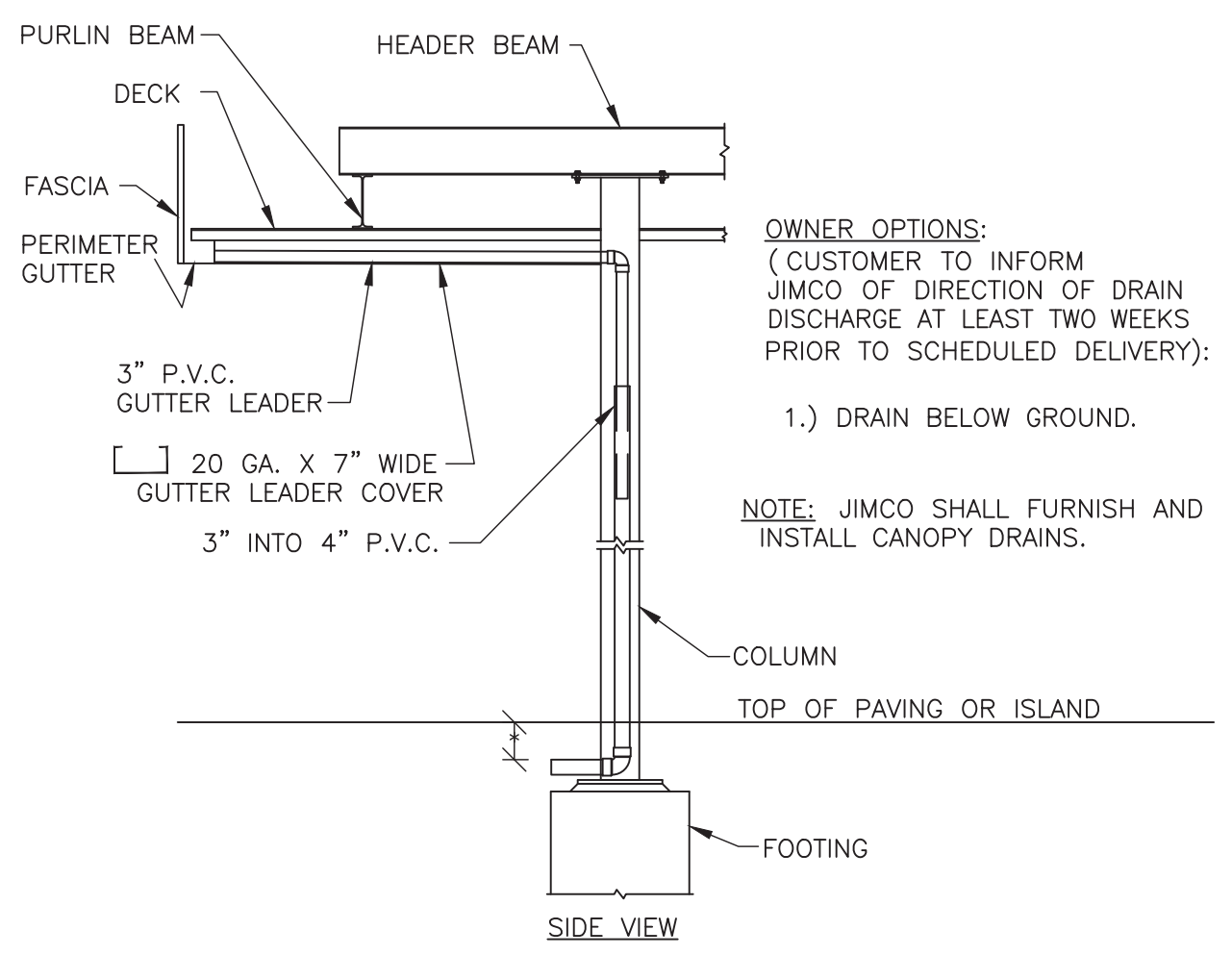
2 END FASCIA DETAIL
SCALE: 1"=1'-0"



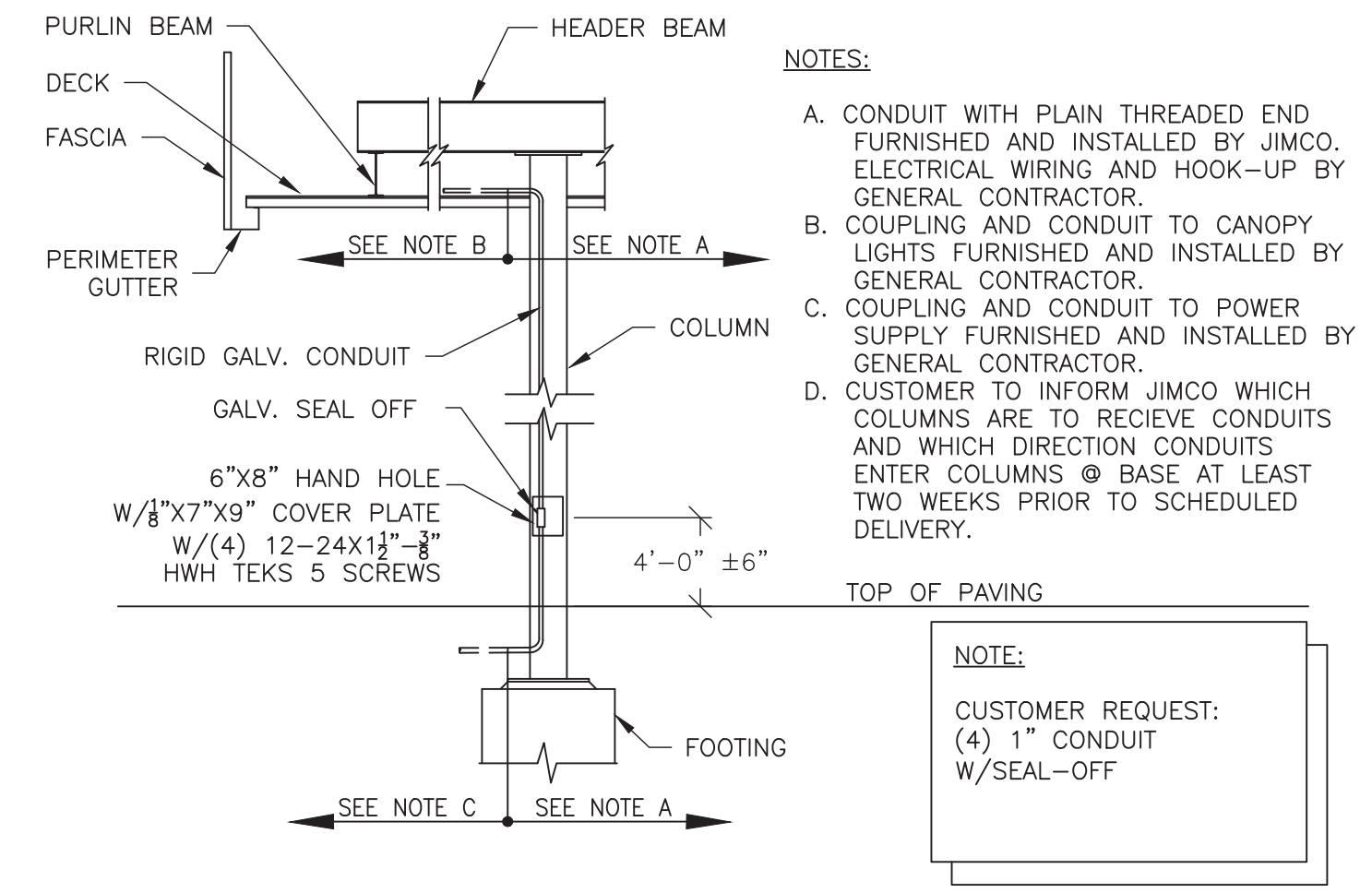
3 COLUMN/BEAM CONNECTION DETAIL
SCALE: 1"=1'-0"



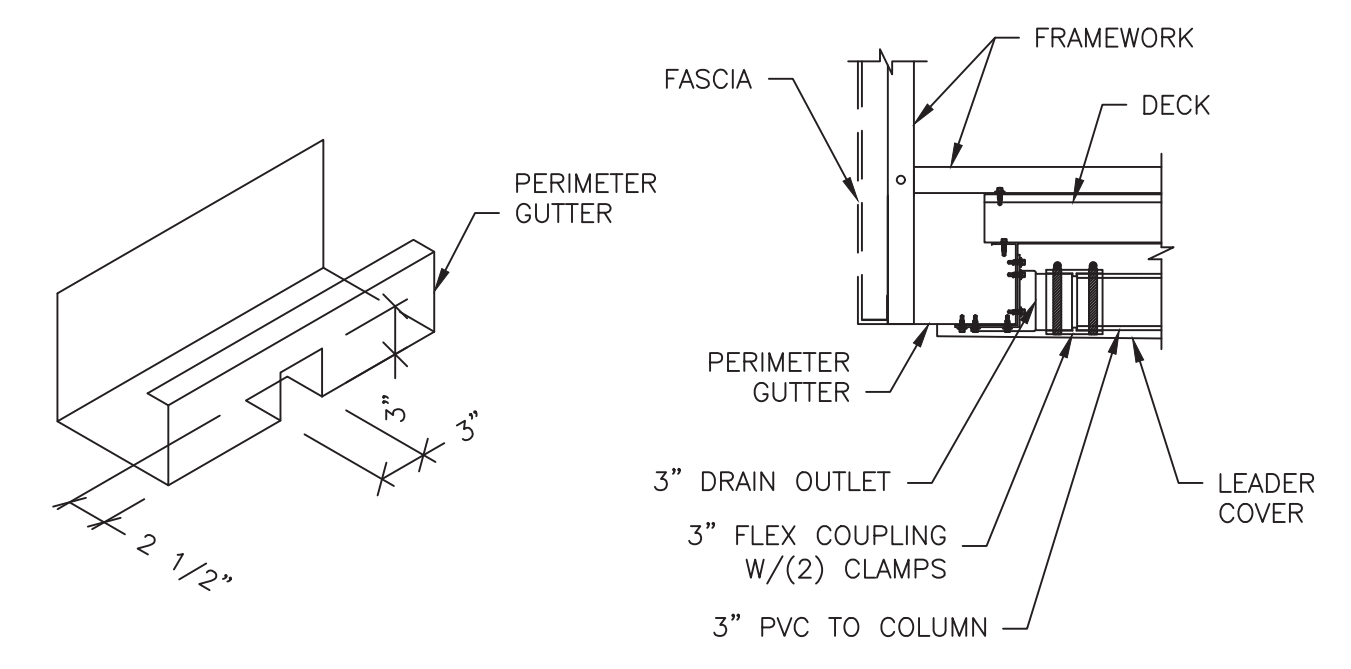
4 BEAM CONNECTION DETAIL
SCALE: 1"=1'-0"



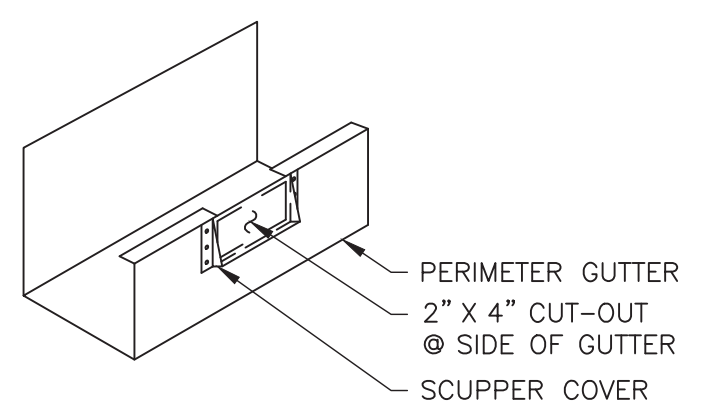
5 COLUMN DRAIN DETAIL
SCALE: 3"=1'-0"



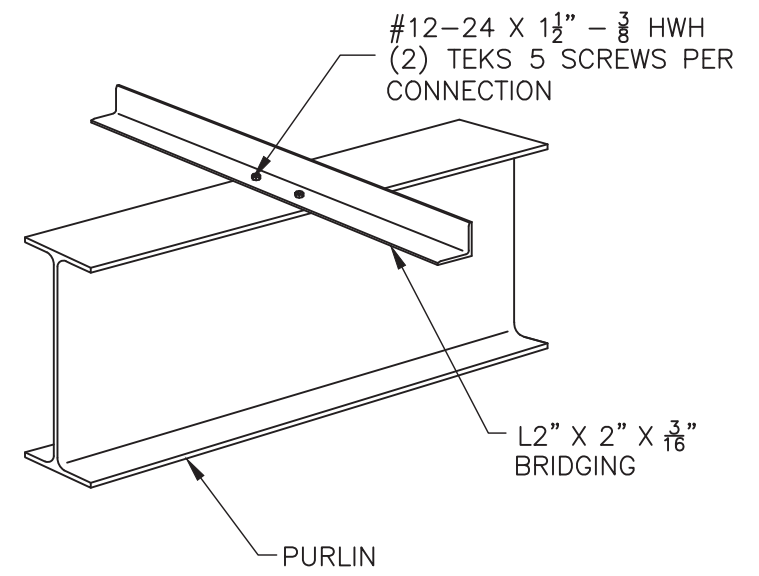
5A INTERNAL CONDUIT DETAIL
SCALE: 3"=1'-0"



6 LEADER CONNECTION DETAIL
SCALE: 1"=1'-0"



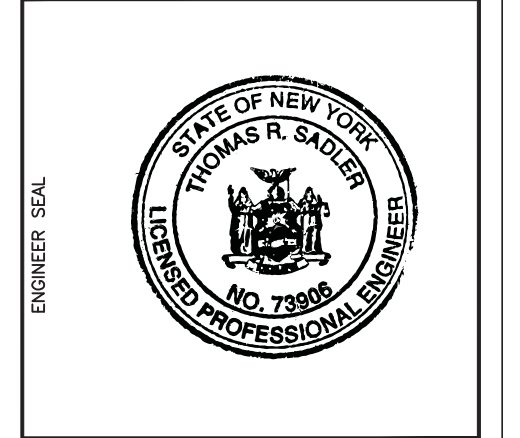
7 OVERFLOW SCUPPER DETAIL
SCALE: 1"=1'-0"



8 PURLIN BRIDGING DETAIL
SCALE: 1"=1'-0"

DRAWING DESCRIPTION
CANOPY STRUCTURAL
SECTIONS AND DETAILS

JOB LOCATION
7-ELEVEN #38912
3451 CROMPTON RD
YORKTOWN HEIGHTS, NY



CUSTOMER	7-ELEVEN, INC - CYPRESS WATERS
	REVISIONS
NO. DESCRIPTION:	DATE: BY:
	DATE: BY:

D. CYPHERS DRAWN BY:	T. SADLER CHECKED BY:
	10-18-2021 DATE:

JOB NO.
21-3107R0
DWG. NO.
CS2
OF 3 SHEETS

NOTICE: THIS DOCUMENT IS THE PROPERTY OF JIMCO SALES & MFG. NEITHER THIS DOCUMENT NOR ANY DATA OR INFORMATION HEREIN SHALL BE COPIED OR REPRODUCED IN ANY MANNER, LOANED OR OTHERWISE DISPOSED OF, OR USED FOR ANY PURPOSE WHATSOEVER, WITHOUT THE PRIOR WRITTEN PERMISSION OF JIMCO SALES & MFG. IF THIS DOCUMENT IS LOANED BY OR WITH THE AUTHORITY OF JIMCO SALES & MFG, THE BORROWER, INCONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THIS DOCUMENT ON REQUEST OR UPON COMPLETION OF THE SPECIFICALLY AUTHORIZED WORK FOR WHICH IT WAS USED.

DRAWING DESCRIPTION
CANOPY FOUNDATION
SECTIONS AND DETAILS

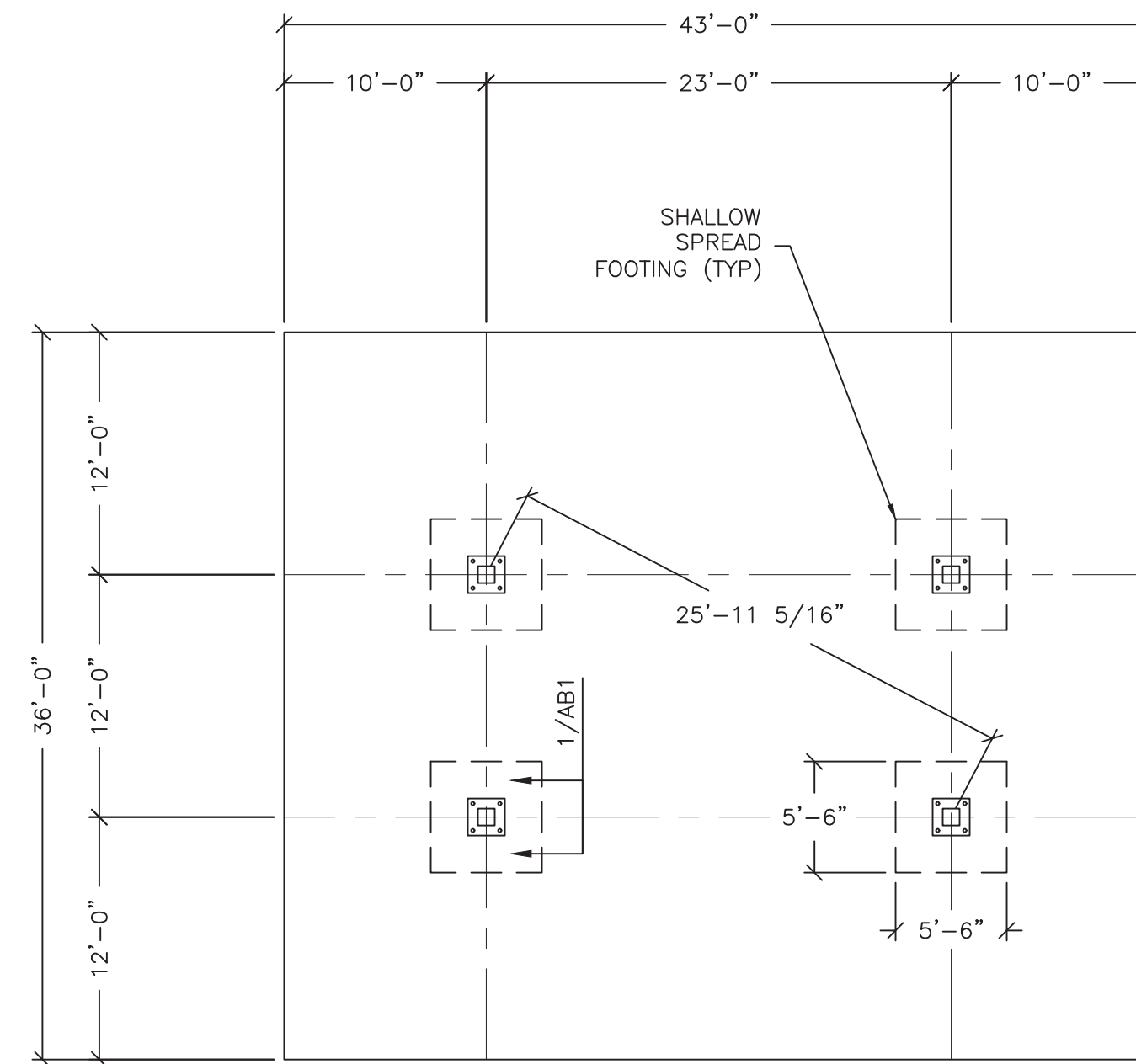
JOB LOCATION
7-ELEVEN #38912
3451 CROMPTON RD
YORKTOWN HEIGHTS, NY



CUSTOMER	7-ELEVEN, INC - CYPRESS WATERS
NO.	DESCRIPTION:
DATE:	BY:
REVISIONS	

D. CYPHERS DRAWN BY:	T. SADLER CHECKED BY:	10-18-2021 DATE:
-------------------------	--------------------------	---------------------

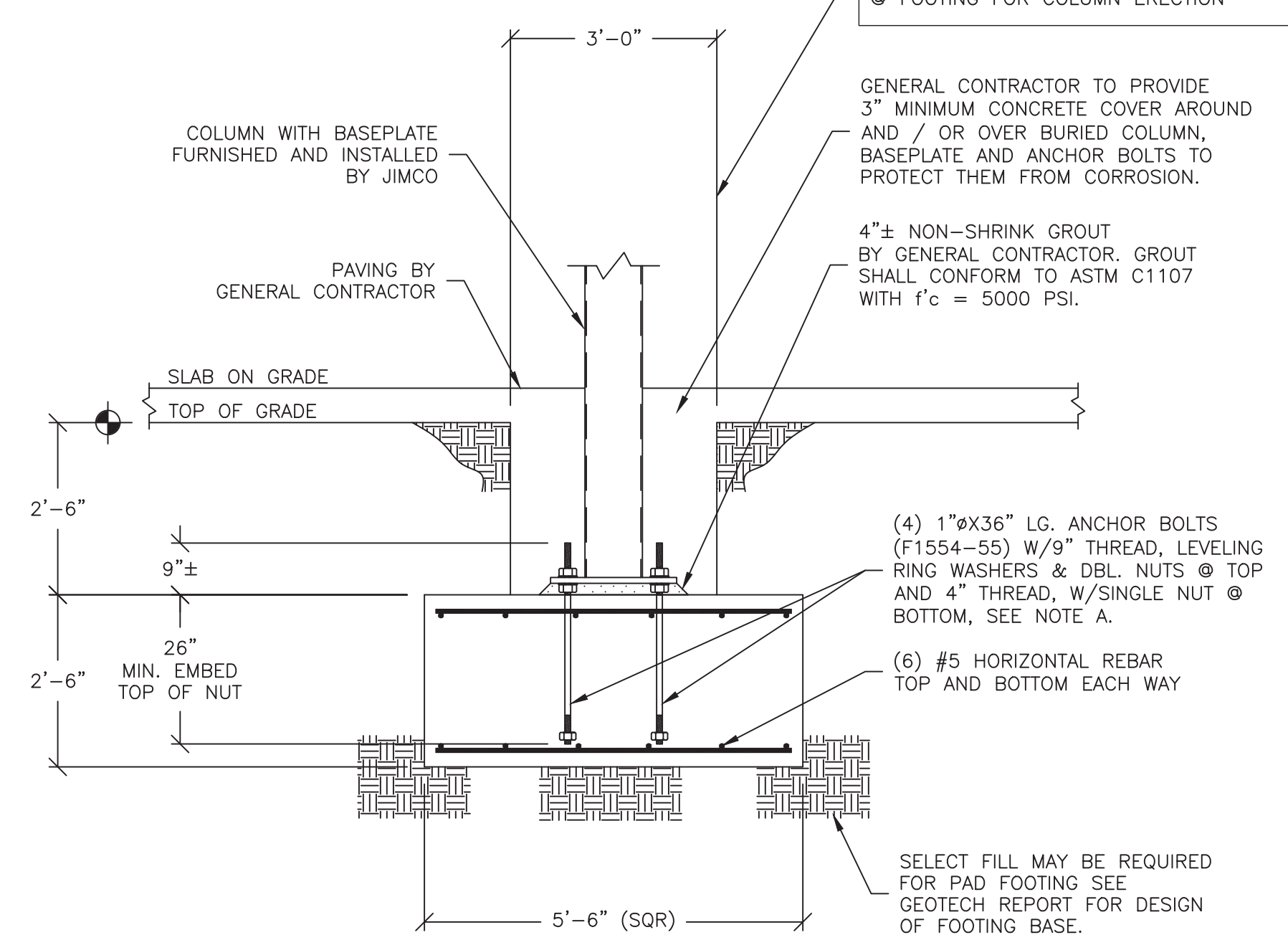
JOB NO.
21-3107R0
DWG. NO.
AB1
OF 3 SHEETS



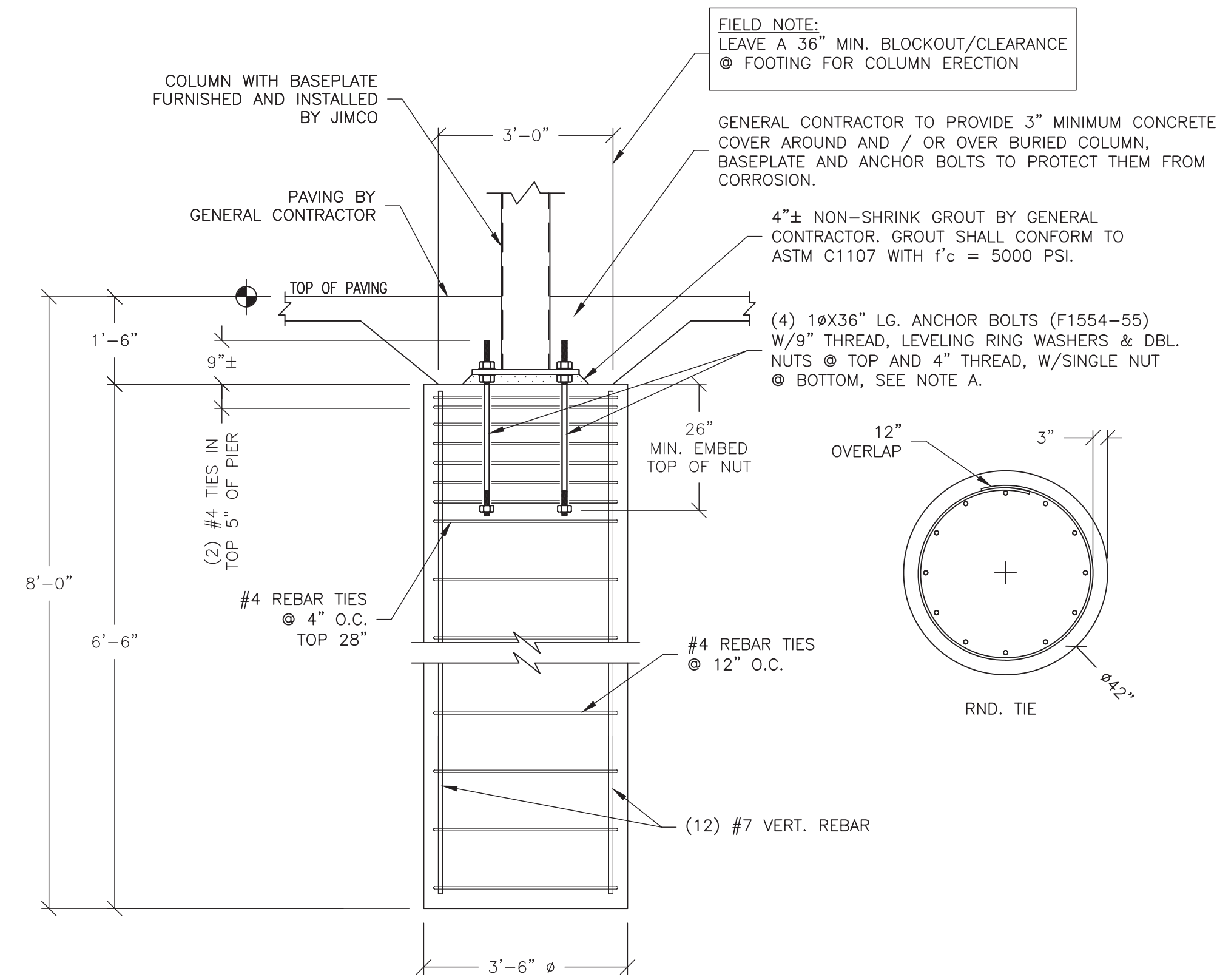
FOUNDATION PLAN
SCALE: 1/8"=1'-0"

NOTE:
A) FOOTINGS INCLUDING CONCRETE, REBAR, FORMWORK AND ASSOCIATED EARTHWORK SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR EXCEPT ANCHOR BOLTS SHALL BE FURNISHED BY JIMCO AND INSTALLED BY GENERAL CONTRACTOR.
B) SEE FOUNDATION, CONCRETE NOTES ON DWG CS1.

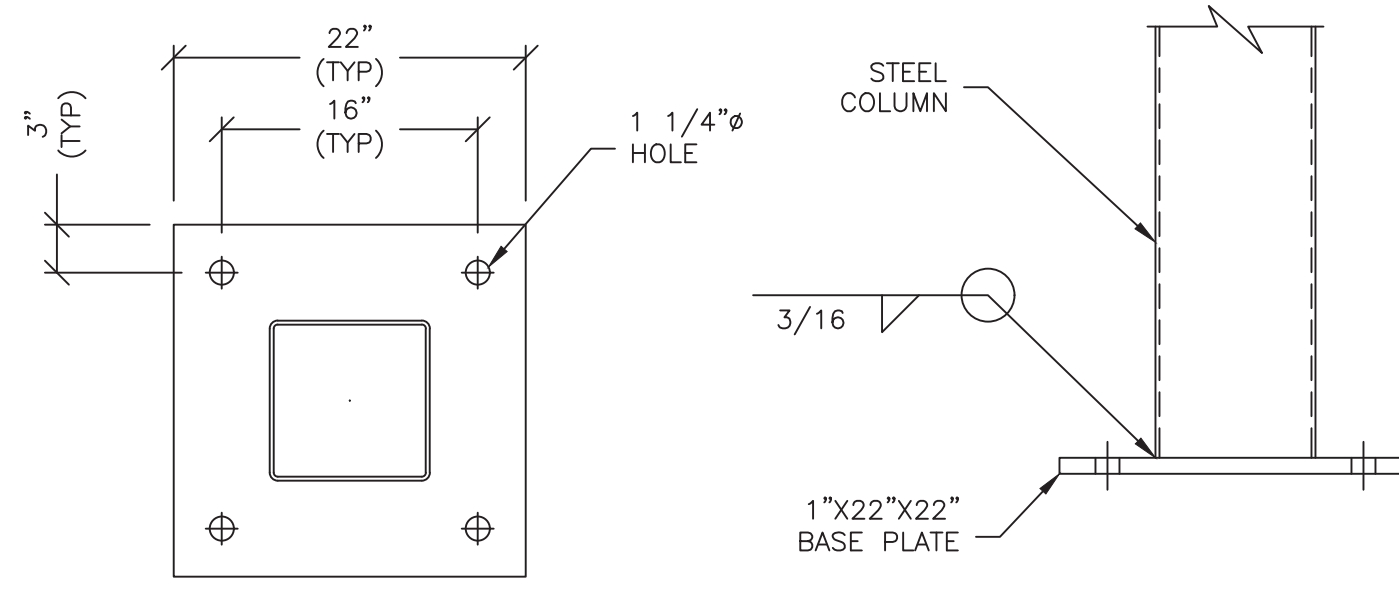
FIELD NOTE:
LEAVE A 36" MIN. BLOCKOUT/CLEARANCE @ FOOTING FOR COLUMN ERECTION



FOOTING DETAIL
SCALE: 1/2"=1'-0"



OPTIONAL FOOTING DETAIL
SCALE: 1/2"=1'-0"



1 BASE PLATE DETAIL
SCALE: 1"=1'-0"

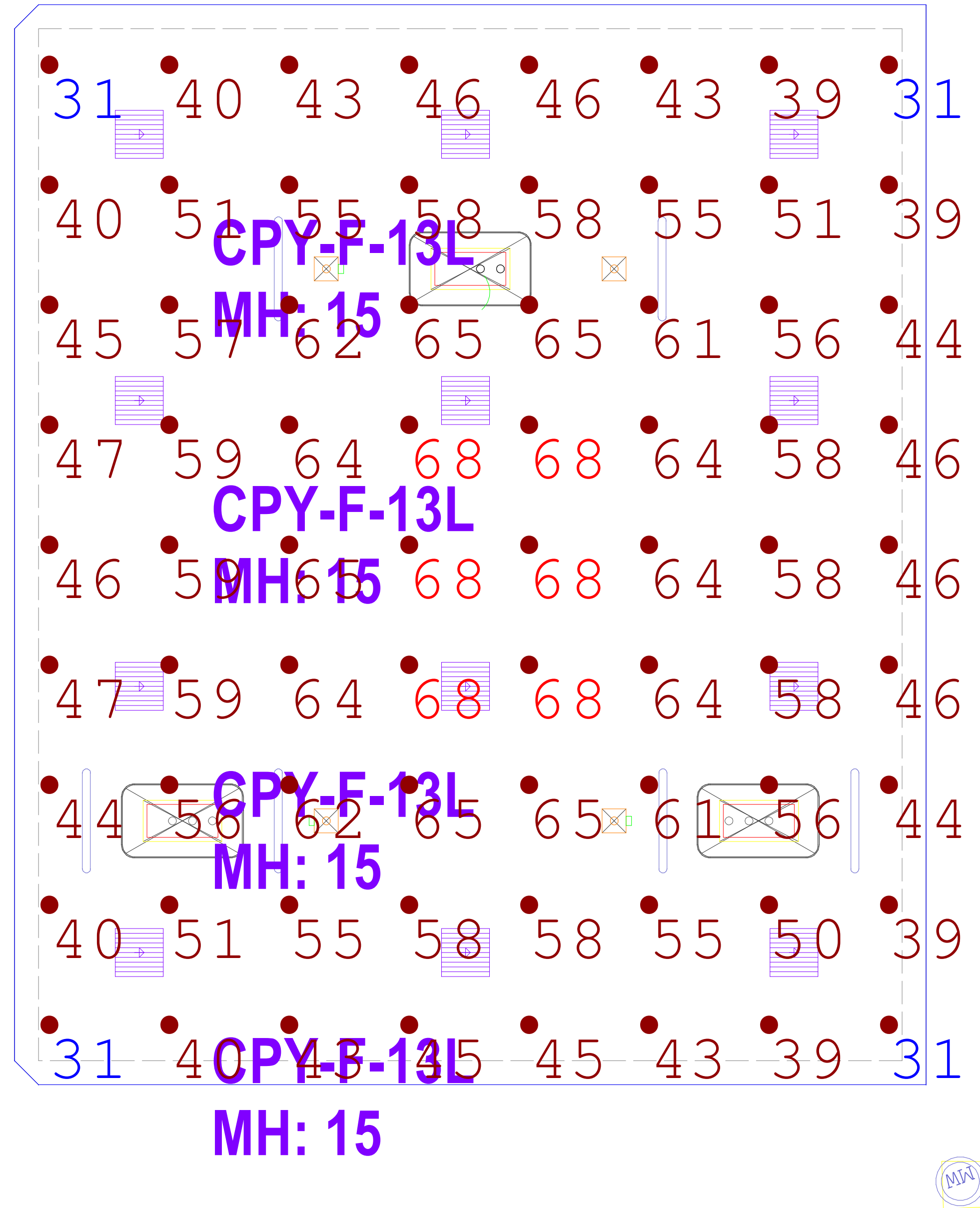
NOTICE: THIS DOCUMENT IS THE PROPERTY OF JIMCO SALES & MFG. NEITHER THIS DOCUMENT NOR ANY DATA OR INFORMATION HEREIN SHALL BE COPIED OR REPRODUCED IN ANY MANNER, LOANED OR OTHERWISE DISPOSED OF, OR USED FOR ANY PURPOSE WHATSOEVER, WITHOUT THE PRIOR WRITTEN PERMISSION OF JIMCO SALES & MFG. IF THIS DOCUMENT IS LOANED BY OR WITH THE AUTHORITY OF JIMCO SALES & MFG, THE BORROWER, INCONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THIS DOCUMENT ON REQUEST OR UPON COMPLETION OF THE SPECIFICALLY AUTHORIZED WORK FOR WHICH IT WAS USED.

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
	12	CPY-F-13L	SINGLE	1.000	12825	91	CPY250-B-DM-F-13L-UL-WH-57K-HZ

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Under Canopy	Fc	52.49	68	31	1.69	2.19

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER ***

BOM: Complete Part Description	
12	CPY250-B-DM-F-13L-UL-WH-57K-HZ



**TB Referral
Community Choice
Aggregation (Energy)
Program**

TOWN OF YORKTOWN TOWN BOARD

RESOLVED, the Town Clerk is authorized to refer out to appropriate agencies for their review and/or recommendation to consider adding a new chapter to the Town Code entitled “Community Choice Aggregation (Energy) Program.”

Further Resolved, the Town Board declares its intent to act as Lead Agency. We are transmitting the following referral for your review and recommendations and ask that you respond back to the Town Clerk by Friday, March 18, 2022.

TO:

- | | |
|--|---|
| <input checked="" type="checkbox"/> File | <input checked="" type="checkbox"/> Westchester County |
| <input checked="" type="checkbox"/> Town Clerk | <input type="checkbox"/> Planning Department / Board |
| <input type="checkbox"/> ABACA | <input type="checkbox"/> Dept. of Public Works |
| <input checked="" type="checkbox"/> Building Inspector | <input type="checkbox"/> Dept. of Health |
| <input type="checkbox"/> Community Housing Board | <input type="checkbox"/> Parks & Recreation |
| <input checked="" type="checkbox"/> Conservation Board | <input type="checkbox"/> Environmental Facilities |
| <input checked="" type="checkbox"/> Fire: | <input type="checkbox"/> Soil & Water |
| <input checked="" type="checkbox"/> Lake Mohegan | <input type="checkbox"/> New York State |
| <input checked="" type="checkbox"/> Yorktown | <input type="checkbox"/> DEC Albany |
| <input type="checkbox"/> Highway Dept. | <input type="checkbox"/> DEC New Paltz (Region III) |
| <input type="checkbox"/> Open Space Committee | <input type="checkbox"/> DOT |
| <input checked="" type="checkbox"/> Planning Dept. / Board (6) | <input type="checkbox"/> Parks & Recreation |
| <input type="checkbox"/> Police Dept. | <input type="checkbox"/> NYC DEP |
| <input type="checkbox"/> Public Safety Committee | <input type="checkbox"/> Army Corp. of Engineers |
| <input type="checkbox"/> Recreation Commission | <input type="checkbox"/> Bordering Municipality |
| <input checked="" type="checkbox"/> School District: | <input type="checkbox"/> Town of Cortlandt |
| <input checked="" type="checkbox"/> Yorktown | <input type="checkbox"/> Town of Ossining |
| <input checked="" type="checkbox"/> Lakeland | <input type="checkbox"/> Town of Somers |
| <input type="checkbox"/> Town Attorney | <input type="checkbox"/> Town of Putnam Valley |
| <input type="checkbox"/> Town Board | <input type="checkbox"/> Yorktown Chamber of Commerce |
| <input checked="" type="checkbox"/> Town Engineer | <input checked="" type="checkbox"/> Other – CSC Task Force |
| <input type="checkbox"/> Tree Conservation Advisory Committee | <input type="checkbox"/> Other – Zoning Board of Appeals |
| <input type="checkbox"/> Water Department | |
| <input type="checkbox"/> Wetlands Inspector | |
| <input type="checkbox"/> Yorktown Land Trust | |

FROM: DIANA L. QUAST, YORKTOWN TOWN CLERK, CERTIFIED MUNICIPAL CLERK

SUBJECT: **We are transmitting the following:** Proposed Local Law adding a new chapter to the Town Code entitled “Community Choice Aggregation (Energy) Program.”

DATE: March 2, 2022

- | | |
|---|--|
| <input type="checkbox"/> Application/Petition | <input type="checkbox"/> Report |
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Wetlands Permit Application |
| <input type="checkbox"/> EAF | <input type="checkbox"/> SEQRA Scope |
| <input type="checkbox"/> EAF Addendum | <input checked="" type="checkbox"/> Other – Proposed Local Law |

FOR YOUR: Information Review Comment

PUBLIC NOTICE

NOTICE IS HEREBY GIVEN that a public hearing will be convened by the Town Board, Town of Yorktown, Westchester County, New York on Tuesday, March 22, 2022, at 363 Underhill Avenue, Yorktown Heights, New York 10598 at 7:30 PM, or as soon thereafter as the same can be heard, to consider amending the Code of the Town of Yorktown by adding a new chapter entitled, "COMMUNITY CHOICE AGGREGATION (ENERGY) PROGRAM."

A copy of the proposed local law is on file in the Office of the Town Clerk at the said Town Hall, where the same may be inspected during regular office hours. It can also be viewed at www.yorktownny.org under Town Clerk/Pending Legislation.

All persons in interest and citizens shall be heard at the public hearing to be held as aforesaid.

DIANA L. QUAST, TOWN CLERK
CERTIFIED MUNICIPAL CLERK
TOWN OF YORKTOWN

A LOCAL LAW to amend the Code of the
Town of Yorktown by adding a new Chapter
302

Be it enacted by the Town Board of the Town
of Yorktown as follows:

Section I. Statement of Authority.

This local law is authorized by the New York State Constitution, the provisions of the New York Municipal Home Rule Law, the relevant provisions of the Town Law of the State of New York, the laws of the Town of Yorktown and the general police power vested with the Town of Yorktown to promote the health, safety and welfare of all residents and property owners in the Town.

Section II. The Code of the Town of Yorktown is hereby amended by adding a new Chapter 302 entitled “COMMUNITY CHOICE AGGREGATION (ENERGY) PROGRAM,” to read as follows:

ARTICLE I

§1. Legislative Findings; Intent and Purpose; Authority.

- A. It is the policy of both the Town of Yorktown and the State of New York to reduce costs and provide cost certainty for the purpose of economic development, to promote deeper penetration of energy efficiency and renewable energy resources such as wind and solar, and wider deployment of distributed energy resources as well as to examine the retail energy markets and increase participation of and benefits for Eligible Customers in those markets. Among the policies and models that may offer benefits in New York is community choice aggregation (“CCA”), which allows local governments to procure electric and natural gas supply on behalf of its Eligible Customers.
- B. The purpose of this CCA Program is to allow participating local governments including the Town of Yorktown to procure energy supply service and Community Distributed Generation (CDG) for their Eligible Customers, who will have the opportunity to opt out of the procurement, while maintaining transmission and distribution service from the existing Distribution Utility. This Chapter establishes a program that will allow the Town of Yorktown to put out for bid the total amount of natural gas and/or electricity being purchased by local Eligible Customers for both ESCO supply and CDG. Customers will have the opportunity to have more control to lower their overall energy costs, to spur clean energy innovation and investment, to improve customer choice and value, and to protect the environment; thereby, fulfilling the purposes of this Chapter and fulfilling an important public purpose.
- C. The Town of Yorktown is authorized to implement this COMMUNITY CHOICE AGGREGATION (ENERGY) PROGRAM pursuant to Section 10(1)(ii)(a)(12) of the New York Municipal Home Rule Law; and State of New York Public Service Commission Case

No. 14-M-0224, Proceeding on Motion of the Commission to Enable Community Choice Aggregation Programs (issued April 20, 2016, hereinafter the CCA Framework Order).

- D. This Chapter shall be known and may be cited as the “COMMUNITY CHOICE AGGREGATION (ENERGY) PROGRAM Law of the Town of Yorktown.”

§2. Definitions.

For purposes of this Chapter, and unless otherwise expressly stated or unless the context otherwise requires, the terms in this Chapter shall have the meanings set forth below, or if not so defined, as employed in the State of New York Public Service Commission’s Uniform Business Practices:

Community Choice Aggregation Program (or “CCA Program”): A municipal energy procurement program that replaces the incumbent utility as the default electric and/or gas Supplier for all Opt-out Eligible Customers within the Town of Yorktown. The CCA Program may include Community Distributed Generation on an opt-out basis and other DER offerings on an opt-in basis.

Community Distributed Generation (or “CDG”): Community shared renewables program expanding customer access to the environmental and system benefits of qualifying renewable project generation located behind a non-residential host meter based on remotely sharing net metering or VDER monetary credits through a monetary credit applied to the utility bills of Participating Customers.

Community Distributed Generation Credits (or “CDG Credits”): The monetary credit applied to the utility bills of Participating Customers through the CDG program.

Customers:

Eligible Customers: Customers of electricity and/or natural gas eligible to participate in CCA, either on an Opt-out or Opt-in basis, as delineated in the CCA Framework Order.

Opt-out Eligible Customers: Eligible Customers that are eligible for opt-out treatment as delineated in the CCA Framework Order.

Participating Customers: Opt-out eligible customers who have been enrolled subsequent to the opt-out process and other customers who have opted in.

Customer-specific Data: Utility data for all Opt-out Eligible Customers including account holder name, service address, primary language, if available, any customer-specific alternate billing name and/or address, and other relevant, authorized data.

Distributed Energy Resources (or “DER”): Reforming the Energy Vision (REV) initiatives that further engage and/or reduce cost of service for participating consumers, optimize system benefits, and/or address infrastructure and demand challenges within the geography of the CCA including, but not limited to, local renewable energy projects, Community Distributed Generation, peak demand management, energy efficiency,

demand response, energy storage, community resilience microgrid projects, and other innovative initiatives.

Distribution Utility: Owner or controller of the means of distribution of the natural gas or electricity that is regulated by the Public Service Commission.

Public Service Commission (or “PSC”): New York State Public Service Commission.

Suppliers: Energy service companies (ESCOs) that procure electric power, natural gas and/or DERs for Participating Customers in connection with this Chapter or, alternatively, generators of electricity, natural gas and/or DERs or other entities who procure and resell electricity, natural gas or DERs.

Sustainable Westchester, Inc. (or “Sustainable Westchester”): A not-for-profit organization comprised of member municipalities in Westchester County, New York.

Value of Distributed Energy Resources (or “VDER”): REV proceeding (Case 15-E-0751) that replaces the net metering program with a weighted value stack tariff mechanism for accurately pricing Distributed Energy Resources on the grid as a reflection of their system value. Value stack components include the price of energy, capacity, avoided carbon emissions, cost savings to customers and utilities, demand reduction and locational relief. The goal of this proceeding is to increase DER penetration and benefits of DER installations.

§3. Establishment of a COMMUNITY CHOICE AGGREGATION (ENERGY) Program.

- A. A COMMUNITY CHOICE AGGREGATION (ENERGY) PROGRAM is hereby established by the Town of Yorktown, whereby the Town of Yorktown shall work together with Sustainable Westchester to implement the CCA Program to the full extent permitted by the Order, as set forth more fully herein. The Town of Yorktown role under the CCA Program involves the aggregating of the electric and/or gas supply of its residents and the entering into a contract with one or more Suppliers for ESCO supply and CDG services. Under the CCA Program, the operation and ownership of the utility service shall remain with the Distribution Utility.
- B. The Town of Yorktown’s participation in a CCA Program constitutes neither the purchase of a public utility system, nor the furnishing of utility service. The Town of Yorktown will not take over any part of the electric or gas transmission or distribution system and will not furnish any type of utility service, but will instead negotiate with Suppliers on behalf of Participating Customers.
- C. In order to implement the CCA Program, the Town of Yorktown will adopt one or more resolutions that outline the process of and conditions for participation in the CCA Program, including but not limited to signing a contract for a compliant bid with one or more Suppliers, all as consistent with the Local Law and the Order.
- D. The Public Service Commission supervises retail markets and participants in these markets through legislative and regulatory authority and the Uniform Business Practices, which includes rules relating to the eligibility of participating ESCOs and DERS, the operation

by which ESCOs and DERS provide energy services and the terms on which customers may be enrolled with ESCOs and DERS.

§4. Procedures for Eligibility; Customer Data Sharing.

- A. As permitted by the CCA Framework Order, the Town of Yorktown may request from the Distribution Utilities aggregated customer information by fuel type, service classification and other relevant, authorized data.
- B. Sustainable Westchester, on behalf of the Town of Yorktown shall issue one or more requests for proposals to Suppliers to provide energy to participants and may then award one or more contracts in accordance with the CCA Program.
- C. Sustainable Westchester or the Town of Yorktown, if the Town of Yorktown so chooses, will then request Customer-specific Data from the Distribution Utility in accordance with the CCA Program.
- D. Sustainable Westchester or the Town of Yorktown, if the Town of Yorktown so chooses, and the selected Supplier(s) will then notify Opt-out Eligible Customers of the contract terms and opportunity to opt out of the CCA Program ESCO supply and/or CDG.
- E. In accordance with and for purposes of the CCA Framework Order, ConEd and NYSEG will provide to Sustainable Westchester Customer-specific Data (including usage data, capacity tag obligations, account numbers, and service addresses) of all Eligible Customers in the Town of Yorktown.
- F. Sustainable Westchester and the Town of Yorktown will protect customer information as required by law, subject to the CCA Framework Order and the limitations of the New York State Freedom of Information Law.

§5. Choice of Energy Supplier; Opt-Out Notice and Procedure.

- A. The Town of Yorktown or in conjunction with the Supplier will notify its Opt-out Eligible Customers by letter notice of the Town of Yorktown establishing the CCA Program, of the contract terms with an ESCO and/or CDG, and of the opportunity to opt out of the CCA Program offerings.
- B. The letter notice will be sent to each Opt-out Eligible Customer at the address provided by the Distribution Utility and explain the CCA Program and the material provisions of the ESCO and/or CDG Supplier contract, identify the methods by which the customer can opt out of the CCA Program, and provide information on how the customer can access additional information about the CCA Program.
- C. The opt-out period shall be at least thirty (30) Days.

§6. Verification and Reporting.

- A. Sustainable Westchester shall be responsible for filing an annual report with the Public Service Commission as required in the CCA Framework Order.

Section III. Severability.

If any clause, sentence, phrase, paragraph or any part of this local law shall for any reason be adjudicated finally by a court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder of this local law, but shall be confined in its operation and effect to the clause, sentence, phrase, paragraph or part thereof, directly involved in the controversy or action in which such judgment shall have been rendered. It is hereby declared to be the legislative intent that the remainder of this local law would have been adopted had any such provisions been excluded.

Section IV. Repeal

All ordinances, local laws and parts thereof inconsistent with this Local Law are hereby repealed to the extent of such inconsistency.

Section V. Effective Date.

This local law shall become effective upon filing in the office of the Secretary of State in accordance with the provisions of the Municipal Home Rule Law.

What is Community Choice Aggregation?

Community Choice Aggregation is a strategy that puts control of choosing energy supply in local hands. It is a municipal model for procuring energy that replaces the utility as the default supplier of electricity and/or natural gas for virtually all homes and businesses within a jurisdiction. By pooling demand, communities build the clout necessary to negotiate a fixed-rate, potentially lower pricing with private suppliers. Communities are also able to choose cleaner energy while developing distributed energy resources including local renewable energy projects and shared renewables such as community solar, energy efficiency, demand response, energy management, and microgrid projects. More than five million customers nationwide are served by Community Choice Aggregation programs in seven states: New York, California, Illinois, Massachusetts, Ohio, New Jersey, and Rhode Island.

Which communities can participate in Community Choice Aggregation in New York State?

All towns, cities, and villages are eligible to participate. If a community chooses to pursue Community Choice Aggregation, local government officials must hold a public hearing to discuss the opportunity, pass a local law authorizing the municipality's participation, and communicate the details to their residents and small businesses.

Who does the legwork for aggregating the customers and finding the right energy service providers?

Community Choice Aggregation will often start with a local group, local nonprofit, or elected official(s) building interest within their communities. The next step is to select a Community Choice Aggregation Administrator to oversee and administer the aggregation program. The Administrator may be a municipality, local development corporation, nonprofit organization, private firm, or other third party.

What is the role of the Community Choice Aggregation Administrator?

The Administrator is the entity authorized to bid the total amount of electricity and/or natural gas being purchased by participating consumers. The Administrator is responsible for program organization, administration, procurement, and communications, unless otherwise specified. They also play a critical role in developing and implementing a strategy for incorporating distributed energy resources, including renewable energy and energy efficiency, into the Community Choice Aggregation program. Each participating municipality may sign an agreement with the Administrator for that Community Choice Aggregation.

What types of customers may participate in Community Choice Aggregation?

All customers of electricity and natural gas utilities are able to participate. However, depending on the utility provider, some commercial and industrial customers will have to opt-in rather than being included on an opt-out basis. The service classes that are eligible to be included on an opt-out basis are listed by utility in [Appendix C of the New York Public Service Commission \(PSC\) Order](#) on Community Choice Aggregation.

Do any Community Choice Aggregation programs already exist in New York State?

Yes. As of May 2016, more than 110,000 households and small businesses receive their electricity supply through Westchester Power, a Community Choice Aggregation consisting of 25 municipalities in Westchester County. Nearly all participating municipalities have set the 100 percent renewable energy supply option as their default option for residents and small businesses. The rates they are paying for this green option are lower than their default rates were prior to Community Choice Aggregation.

What about the local utility provider? Where do they fit in?

The existing utilities continue to deliver reliable power, maintain power lines, and respond to service outages. They are required by law to provide the same customer service to all residents regardless of whether or not they are in the Community Choice Aggregation program. Customers will still receive only one bill each month, directly from the utility, that will reflect the change in supplier.

What is the financial responsibility for participating municipalities?

Administration and operation costs incurred by the Community Choice Aggregation program may be covered through an administration fee paid by customers per kilowatt-hour (kWh) or therm. This fee is negotiated with the energy service provider that will be selected during the Community Choice Aggregation Administrator's competitive procurement process. The utility may charge additional fees for customer-related data.

Is Community Choice Aggregation considered "green"?

Depending on local needs and priorities, communities may elect to provide a 100 percent renewable energy product as the default supply mix. This choice will significantly increase the environmental benefits of the Community Choice Aggregation program, but may cost somewhat more than a nonrenewable product. Other Community Choice Aggregation programs may

provide customers with power supply mix options. For example, a Community Choice Aggregation program may offer a basic option, a green option, or something in between. In this case, individual customers are given full discretion over which option they choose. In either case, the Community Choice Aggregation Administrator may seek prices for a range of product types and then decide which option is best to meet local needs. To make green claims about the CCA's electricity, the ESCO electric service agreement should provide that the ESCO will retire renewable energy certificates (RECs) on behalf of the Municipality in a New York State Generation Attribute Tracking System (NYGATS) Account (with reports on such retirements to the Municipality) in a manner that is compliant with the environmental attributes and delivery rules of the New York Public Service Commission Environmental Disclosure Program. The electrical energy associated with the renewable energy certificates must be consumed at retail in New York State.

What are distributed energy resources and how can they be integrated into a Community Choice Aggregation program?

Distributed energy resources are local renewable energy projects including shared renewables such as community solar, energy efficiency, demand response, energy management, and microgrid projects. These and other innovative initiatives under Reforming the Energy Vision (REV) optimize system benefits, target and address load pockets/profiles within the Community Choice Aggregation zone, and reduce cost of service for participating customers. The Community Choice Aggregation Administrator may seek a proposal that demonstrates a compelling plan to market and develop financed distributed energy resources to a wide segment of Community Choice Aggregation customers. Energy service companies (ESCOs) may form partnerships to provide a turnkey capacity to design, finance, build, operate, and maintain distributed energy resources facilities within the term of a proposed supply agreement, and plan to transition meaningful levels of Community Choice Aggregation to distributed energy resources within that time period.

What is needed before implementing a Community Choice Aggregation program?

The PSC Order on Community Choice Aggregation sets forth the requirements, terms, and conditions under which Community Choice Aggregation programs can proceed through implementation. The Order requires that a Community Choice Aggregation Implementation Plan, Data Protection Plan, and Local Law authorizations be filed with and approved by the PSC. Once these documents have been filed, the PSC will determine whether they comply with the requirements and issue an approval. A template for a Community Choice Aggregation Implementation Plan is included in NYSEDA's [Community Choice Aggregation Toolkit](#).

Does my community need to pass a local law to enable Community Choice Aggregation?

Yes. Each municipality intending to implement a Community Choice Aggregation program must pass legislation to exercise its Municipal Home Rule Law authority after holding a public hearing. A template for a Local Law is included in NYSEDA's [Community Choice Aggregation Toolkit](#).

What is the purpose of a Community Choice Aggregation Implementation Plan?

The Implementation Plan helps municipal officials, Community Choice Aggregation teams, NYSEDA, and the PSC clearly understand the goals, milestones, and deliverables. It also defines the roles and responsibilities of project partners as well as the Community Choice Aggregation's approach to public engagement, outreach, and education.

What is a Data Protection Plan?

The Data Protection Plan describes how the Community Choice Aggregation Administrator will ensure the same level of consumer protections, including low-income customers, as currently provided by utilities and ESCOs. Utilities are developing a model Data Security Agreement to be approved by the PSC that will form the basis for these requirements. The Data Security Agreement is the standard agreement that all Community Choice Aggregations will have to sign with the distribution utility. Community Choice Aggregations must also file a Data Protection Plan, which will explain what steps will be taken to implement the agreement and otherwise protect personal data.

How will account numbers and related information be kept confidential?

The agreement between the participating municipalities, Community Choice Aggregation Administrator, and ESCOs will contain data security provisions for all parties to protect the privacy of account level data.

How can communities join together to form a Community Choice Aggregation program?

Cities, towns, and villages may wish to join together to pool demand and build market clout. In Community Choice Aggregation programs where one local government serves as the Administrator, other participating local governments may wish to enter into an Inter-Municipal Agreement with the municipal Administrator to create a Community Choice Aggregation program. Where the Administrator is a third party such as a nonprofit organization, private company, or local development corporation, municipalities may enter into a Memorandum of Understanding, contract, or other agreement with the Administrator to commit to participate in the program subject to certain terms and conditions. Templates for Memorandum of Understandings and Inter-Municipal Agreements are included in NYSEDA's [Community Choice Aggregation Toolkit](#). These documents are not required, but may be useful.

How can Community Choice Aggregation Administrators procure the energy supply bid?

Electricity and natural gas suppliers should be selected through a competitive procurement process, using an energy procurement request for proposals or bids. Each municipality participating in Community Choice Aggregation should designate a liaison who will review the draft request for proposals and provide input to the Community Choice Aggregation Administrator prior to publication.

How are Community Choice Aggregation programs funded?

The PSC authorized Community Choice Aggregation programs to collect a rate-based administration fee, which covers organization's expenses for communications and outreach assistance, customer service, support to municipalities, and legal fees associated with managing the program.

Will the same ESCO be used for both electric and natural gas procurement?

Possibly. ESCOs may have the opportunity to submit bids for either or both, and the Community Choice Aggregation Administrator has the freedom to choose the same ESCO. However, the Administrator is not required to choose any ESCO if responses to request for proposals are not satisfactory.

How much will I save?

Even though Community Choice Aggregation programs are well positioned to achieve lower, fixed-rate electricity prices for participating consumers, savings are not guaranteed. That being said, the program may be designed so that it will not go forward unless the supplier's price is less than last year's utility price. However, there is no guarantee that the utility price will be lower than the Community Choice Aggregation price for the entire term of the Community Choice Aggregation's supply contract.

What if I don't want to participate?

Participation is up to you. Every customer that currently receives energy from their utility will be given full advanced notice of the program's initiation and clear instructions on how they can opt-out. There will be online, phone, and mail (pre-paid postcard) options. Customers will have 30 days from the time they receive the opt-out notification. After that point, those customers that did not opt-out will be automatically migrated to the Community Choice Aggregation program.

Will my taxes go up?

No. Taxpayer or public funding is not needed to run a Community Choice Aggregation program.

How will customers currently getting net metering credits be affected?

Customers with rooftop solar or a community solar subscription will not be affected by participation in CCA.

If customers opt out after the contract has commenced, how will that affect their service?

Service will not be interrupted. The account will be transferred back to the utility at the end of the following billing period.

Will customers be informed at the end of the first contract that they may be switched to a new supplier, and then be given another chance to opt-out?

Yes. All participating customers will receive notification of the change along with the new price and all of the opt-out methods.

Is my community eligible for technical assistance and grant funding through NYSERDA's Clean Energy Communities Program?

In addition to providing tools, resources, and technical assistance, NYSERDA's Clean Energy Communities Program provides recognition and grants of up to \$250,000 to communities that complete four out of the 10 High Impact Actions. Community Choice Aggregation is one of the High Impact Actions. To demonstrate completion of this action, the applying jurisdiction must submit a copy of the adopted legislation authorizing the municipality's participation in an opt-out Community Choice Aggregation program. In addition, the applying jurisdiction must submit a copy of an executed electric service agreement between the applying jurisdiction and an ESCO to supply electricity to participating customers on an opt-out basis that is a 100 percent renewable clean energy product mix. Visit nyserdera.ny.gov/cec for more information. For technical assistance to support the implementation of Community Choice Aggregation, municipal officials can email cec@nyserdera.ny.gov with questions.