

MARK J. EDSALL, P.E., P.P. (NY, NJ & PA)
MICHAEL W. WEEKS, P.E. (NY, NJ & PA)
MICHAEL J. LAMOREAUX, P.E. (NY, NJ, PA, VT, VA & CT)
PATRICK J. HINES
LYLE R. SHUTE, P.E. LEED-AP (NY, NJ, PA)

Main Office 33 Airport Center Drive Suite 202 New Windsor, New York 12553

(845) 567-3100 fax: (845) 567-3232

e-mail: mheny@mhepc.com

Principal Emeritus: RICHARD D. McGOEY, P.E. (NY & PA) WILLIAM J. HAUSER, P.E. (NY, NJ & PA)

TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT: BJ'S WHOLESALE CLUB-NEWBURGH

PROJECT NO.: 19-07

PROJECT LOCATION: SECTION 97, BLOCK 2, LOT 27.32, 44, 45, & 46.2

REVIEW DATE: 30 MAY 2019 MEETING DATE: 6 JUNE 2019

PROJECT REPRESENTATIVE: MASER CONSULTING, P.A.

- 1. The Stormwater Pollution Prevention Plan for the site should be prepared. The Stormwater Pollution Prevention Plan should address the stormwater hotspot use incorporated into the site plan involving the fuel dispensing use on the site.
- 2. The Planning Board should address whether sidewalks should be provided along NYS Route 17K. The Planning Board has had success in providing safe pedestrian routing along NYS Route 300 in the vicinity of the project. The Applicant's response identified some sidewalk at the project entrance drive which is not currently depicted on the plans.
- **3.** Sizing calculations for the proposed grease trap on the sanitary line should be provided in accordance with NYSDEC design guidelines.
- **4.** The location of the water main within Route 17K should be further evaluated. The Town Engineer's comments regarding the use of 90 degree bends on the water main should be received. Code Enforcement Office and jurisdictional Fire Department comments regarding location of hydrants on the site should be received.
- **5.** A water service is depicted to the gasoline fueling island. Water Department comments regarding multiple water services to one parcel should be received.
- **6.** The Applicant's representative requested to evaluate the location of a temporary sediment basin A as an existing stormwater management piping and facilities are located within this area.
- **7.** The bio retention system cross section identifies Outlet Control Structure detail this sheet. No outlet control structure detail is depicted.
 - Regional Office 111 Wheatfield Drive Suite 1 Milford, Pennsylvania 18337 570-296-2765 •

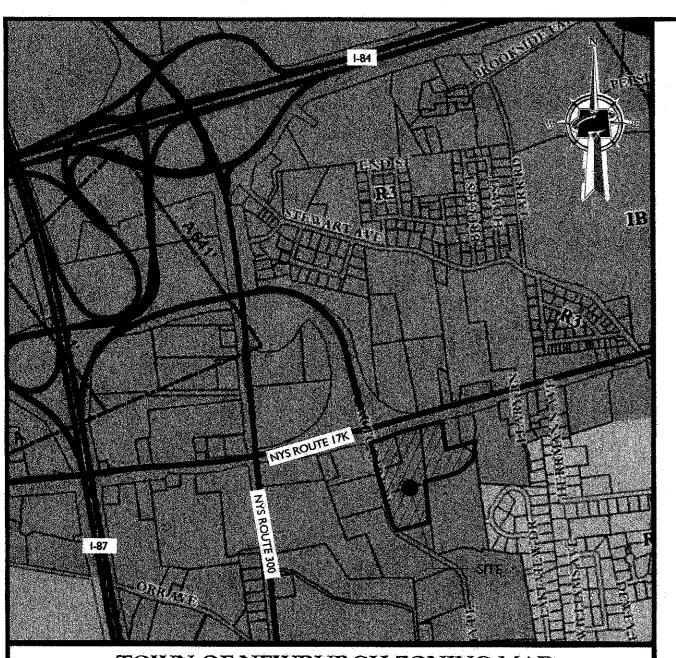


- **8.** Infiltration testing for the storm tech system should be provided.
- 9. City of Newburgh flow acceptance letter should be provided for the Planning Board's files.
- **10.** NYSDOT comments regarding access drive should be provided.
- **11.** The Planning Board is advised that the Applicants response letter identifies that the intersection of the main access road with the bus transportation facility north of the site meets the warrants for traffic control signals. Ken Wersted's comments regarding the traffic study will be received.
- **12.** Water main details, hydrants, thrust restraint chart should be provided with the next submission.
- **13.** The Applicant's representative are requested to evaluate the need for fencing at the stormwater management facilities and vehicle protection in the vicinity of the stormwater management facility.
- **14.** Details of the proposed contact Filterra water quality device should be included in the plans.

Respectfully submitted,

McGoey, Hauser and Edsall Consulting Engineers, D.P.C.

Patrick J. Hines Principal PJH/lcr



TOWN OF NEWBURGH ZONING MAP SCALE: 1" = 1,000"

OWNERS:

WEBB PROPERTIES INC.
800 AUTO PARK PLACE
NEWBURGH, NY 12550

800 AUTO PARK PLACE, LLC
800 AUTO PARK PLACE
NEWBURGH, NY 12550

APPLICANT:

145 OTTERKILL ROAD MOUNTAINVILLE, NY 10953

CONSTRUCTION DETAILS

SHT. No. DESCRIPTION LATEST REVISION

I COVER SHEET

2 EXISTING CONDITIONS & DEMOLITION PLAN

3 DIMENSION PLAN

4 GRADING & DRAINAGE PLAN

5 UTILITY PLAN

6 UTILITY PROFILES

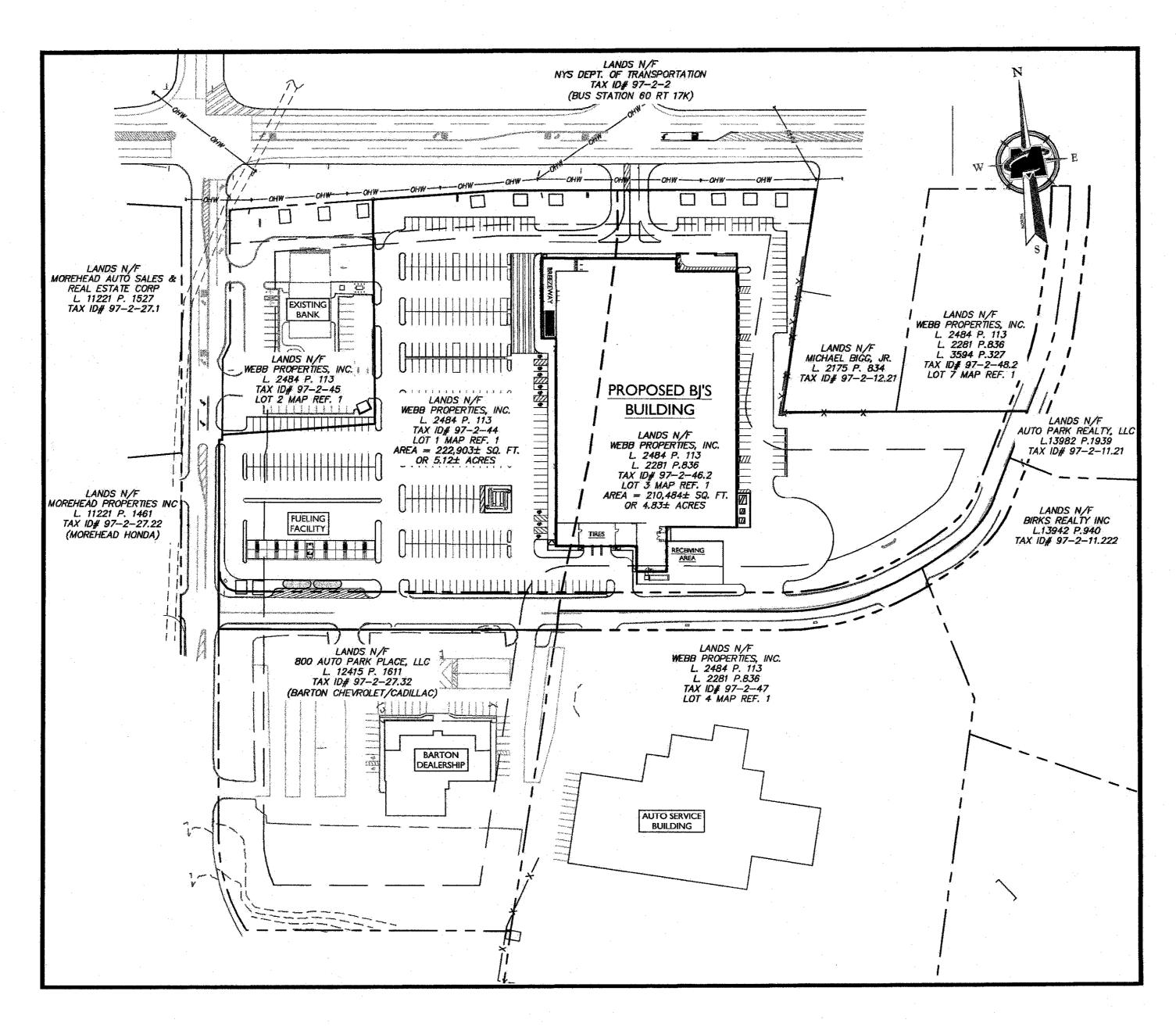
7 SOIL EROSION AND SEDIMENT CONTROL PLAN

8 SOIL EROSION AND SEDIMENT CONTROL DETAILS

9 LANDSCAPE PLAN

10 LIGHTING PLAN

PRELIMINARY SITE PLANS FOR GDPBJ, LLC BJ'S WHOLESALE CLUB - NEWBURGH SBL: 97-2- 27.32, 44, 45, & 46.2 TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK



KEY MAP

SCALE: 1" = 100'

GENERAL INFORMATION

- I. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS TAKEN FROM A PLAN ENTITLED "BOUNDARY AND TOPORAPHIC SURVEY" PREPARED BY MASER CONSULTING, P.A. AND PREPARED FOR GDPBJ LLC, LAST REVISED 5/16/17
- 2. THE HORIZONTAL DATUM IS RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM EAST
- 3. NO 100 YEAR FLOOD PLAINS ARE KNOWN TO EXIST ON THE SITE PER THE FLOOD INSURANCE RATE
- 4. MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON
 - A NEW YORK STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", 2002; AS
 - B. CURRENT PREVAILING MUNICIPAL, COUNTY, AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS.
 - C. CURRENT PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.

 D. CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
- 6. WATER SERVICE TO BE PROVIDED FROM THE EXISTING WATER MAIN IN NYS ROUTE 17K RIGHT-OF-WAY AND THE MAIN IN AUTO PARK PLACE. WATERMAIN SIZE AND LOCATION IS REFERENCED FROM BEST AVAILABLE MAPPING.
- 7. SANITARY SEWER SERVICE SHALL BE PROVIDED BY A GRAVITY CONNECTION TO EXISTING SEWER MAINS IN THE RIGHT-OF-WAY ON AUTO PARK PLACE, MANHOLE LOCATIONS ARE SUBJECT TO MUNICIPAL REVIEW AND APPROVAL, ACCORDING TO MUNICIPAL AND ORANGE COUNTY COUNTY HEALTH DEPARTMENT REGULATIONS. PIPE MATERIALS SHALL BE PVC SDR-35, EXCEPT AS NOTED OTHERWISE ON THE PLANS. EXCEPT WHERE SHALLOWER DEPTHS ARE PERMITTED BY THE MUNICIPALITY OR UTILITY AUTHORITY, SEWER LINES, INCLUDING FORCE MAINS AND LATERALS, SHALL SERVICE AND AUTHORITY OF COMPANY AND THE TOP OF PIPE TO PROPOSED OR AND LATERALS.
- 8. SANITARY SEWERS SHALL BE SEPARATED FROM WATER MAINS BY AT LEAST 10 FEET HORIZONTALLY. I SUCH SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SANITAR SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHERE APPROPRIATE SEPARATION IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE-IRON-PIPE USING MECHANICAL OR SLIP ON JOINTS, FOR A DISTANCE OF 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS ARE AS FAR AWAY AS POSSIBLE FROM THE WATER LINE.
- GAS, ELECTRIC, LIGHTING, COMMUNICATIONS, AND ELECTRICAL SERVICE PLANS, IF REQUIRED, SHALL
 BE PREPARED BY THE RESPECTIVE UTILITY COMPANIES THAT SERVICE THE AREA PRIOR TO SITE
 CONSTRUCTION AND SHALL BE INSTALLED PER ORDINANCE REQUIREMENTS.
- 10. ELECTRIC, COMMUNICATIONS, AND GAS LINES WILL BE INSTALLED UNDERGROUND. CROSSINGS OF PROPOSED PAVEMENTS WILL BE INSTALLED PRIOR TO THE CONSTRUCTION OF PAVEMENT BASE COURSE.
- 11. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITIES.
- 12. STORM SEWERS SHALL BE CLASS III (OR HIGHER IF NOTED) REINFORCED CONCRETE PIPE (RCP) WITH "O" RING GASKETS, HIGH DENSITY POLYEHTYLENE PIPE (HDPE) OR APPROVED EQUAL AS NOTED. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 13. REFUSE AND RECYCLABLES PICKUP SHALL BE AS SHOWN OF THE PLAN AND AS DEEMED ACCEPTABLE BY THE TOWN FIRE INSPECTORS OFFICE.
- 14. TRAFFIC SIGNAGE AND STRIPING SHALL CORRESPOND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 15. THIS IS A SITE DEVELOPMENT PLAN AND UNLESS SPECIFICALLY NOTED ELSEWHERE HEREON, IS NOT A SURVEY.
- 16. BUILDING FOOTPRINT DIMENSIONS SHOWN HERON ARE APPROXIMATE. FINAL BUILDING FOOTPRINT DIMENSIONS FOR EACH BUILDING SHALL BE FURNISHED ON THE ARCHITECTURAL PLANS AT THE TIME OF APPLICATION FOR A BUILDING PERMIT. ALL STRUCTURES SHALL CONFORM TO THE APPROVED BULK ZONING REQUIREMENTS.
- 17. DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
- 18. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED, ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND THE DRAWINGS HAVE BEEN STAMPED "ISSUED FOR CONSTRUCTION". THIS SHALL INCLUDE APPROVAL OF ALL CATALOG CUTS, SHOP DRAWINGS AND/OR DESIGN CALCULATIONS AS REQUIRED BY THE PROJECT OWNER AND/OR MUNICIPALITY. CONSTRUCTION ON SITE SHALL BE IN COMPLIANCE WITH SITE PLANS APPROVED BY THE TOWN PLANNING BOARD.
- 19. EXISTING UNDERGROUND UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO THEIR SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTIONS, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE UNDER SIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING REQUIRED.
- 21. INFORMATION SHOWN HEREON IS INCORPORATED WITH THE CONTENTS OF THE FOLLOWING
- STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY MASER CONSULTING DATE 5/24/2019
- TRAFFIC IMPACT STUDY PREPARED BY MASER CONSULTING DATED 5/24/2019
 23. PROPERTY DESCRIPTION:
- TAX LOT: 97-2-27.32, 44, 45, & 46.2
 LOT SIZE: 15.09 ACRES
- LOT SIZE: 15.09 ACRES
 ZONE: IB (INTERCHANGE BUSINESS)
 PROPERTY LOCATION: NYS ROUTE 17K & AUTO PARK PLACE

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ANDREW B. FETHERSTON

NEW YORK LICENSED PROFESSIONAL
ENGINEER - LICENSE NUMBER: 073555-1

BJ's WHOLESALE CLUB

FOR GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE



Suite 101 New Windsor, NY 12553 Phone: 845.564.4495 Fax: 845.567.1025

1 05/24/19 CDR

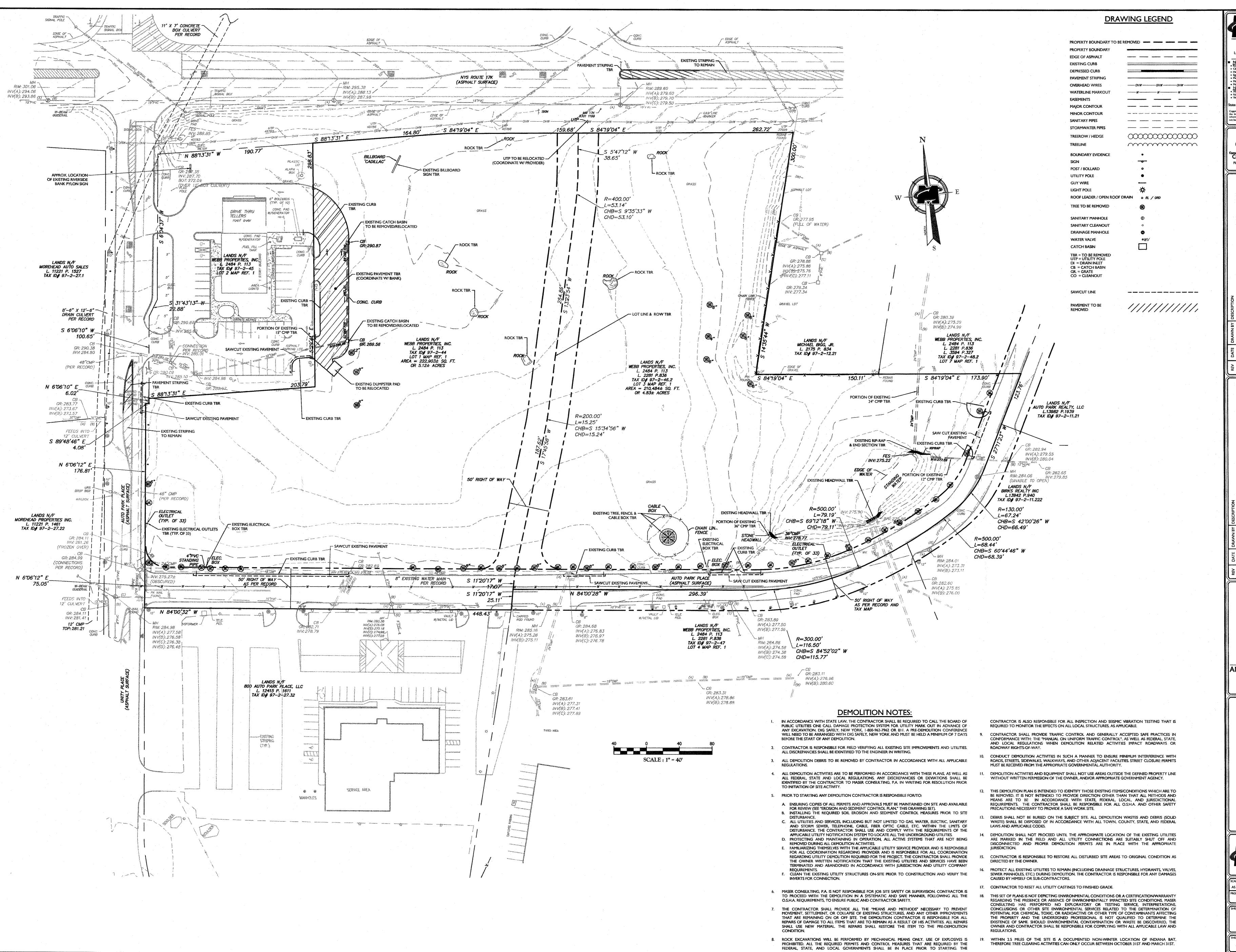
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COVER SHEET

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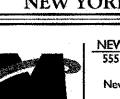
BJ's WHOLESALE CLUB

FOR GDPBJ, LLC

SECTION 97 BLOCK 2

LOTS 27.32, 44, 45 & 46.2 TOWN OF NEWBURGH

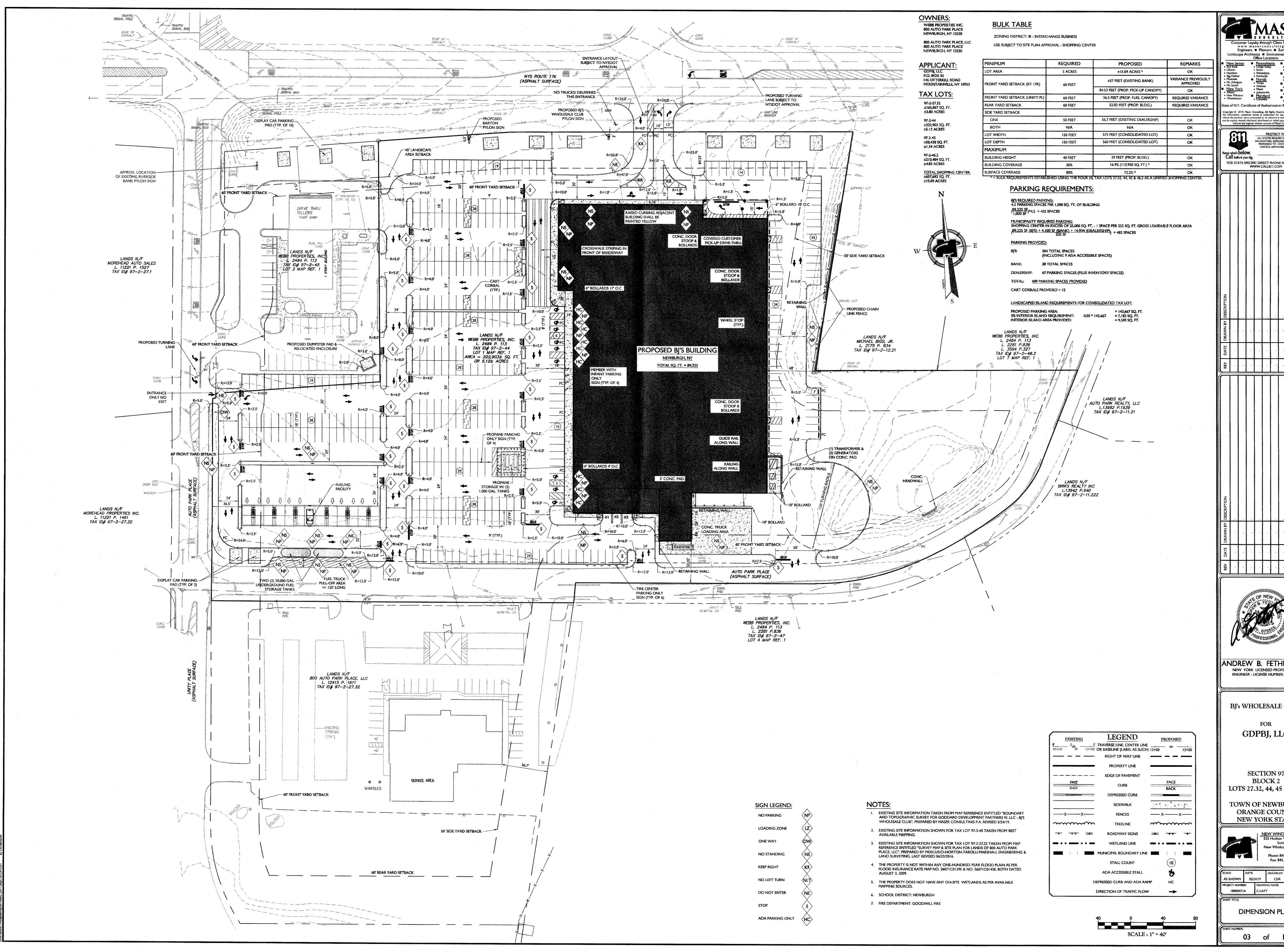
ORANGE COUNTY NEW YORK STATE



Suite 101 New Windsor, NY 12553 Phone: 845.564.4495 Fax: 845.567.1025

05/24/19 CDR DRAWING NAME

SITE DEMOLITION PLAN



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Environmental Scientists Office Locations: Exton
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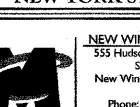
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FOR GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

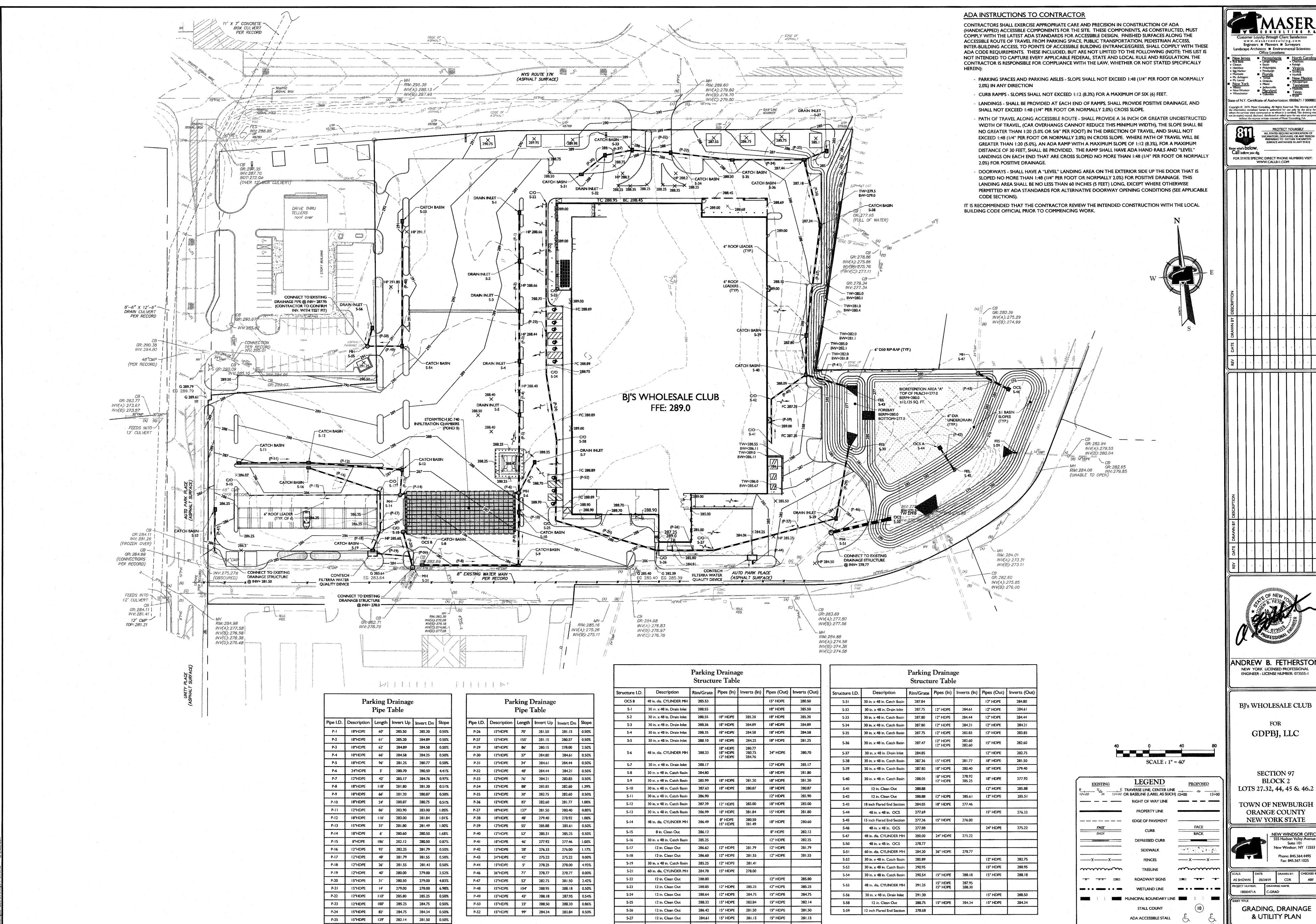
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AS SHOWN 05/24/19 CDR

DIMENSION PLAN



280.37 18" HDPE 280.15

278.00

283.85 15" HDPE

30 in. x 48 in. Drain Inlet

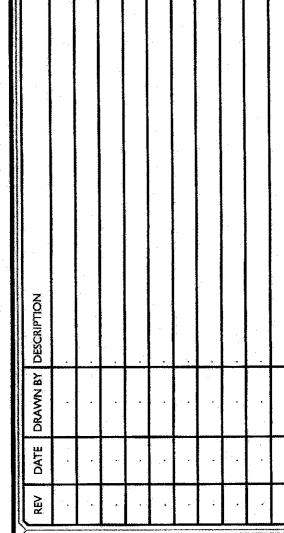
18 inch Flared End Section 281.63 18" HDPE

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BJ's WHOLESALE CLUB

GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE

FLUSH CURB AND ADA RAMP

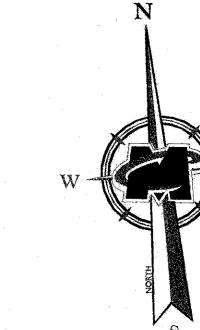
DIRECTION OF TRAFFIC FLOW

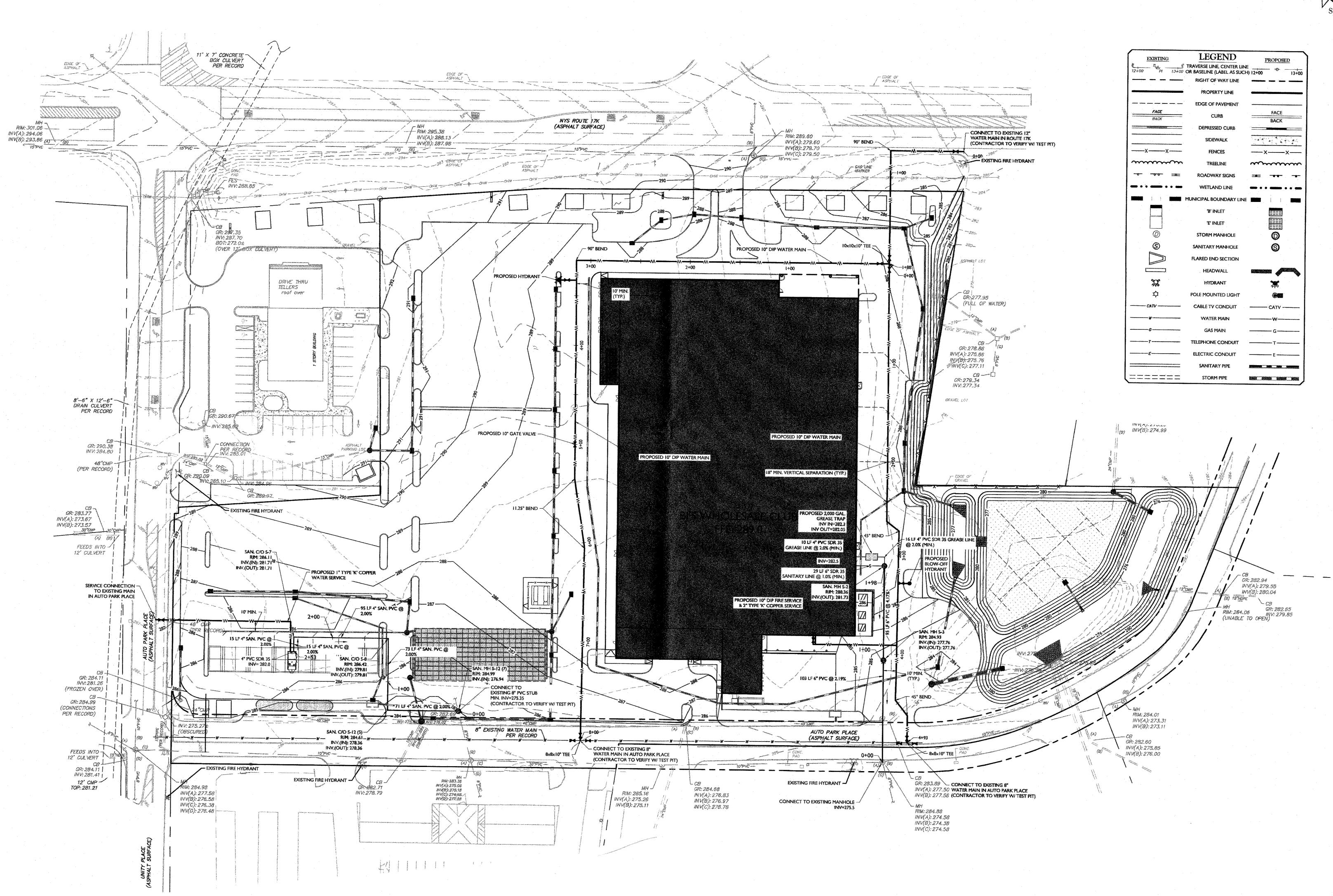
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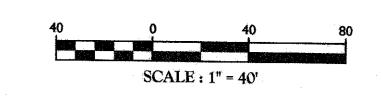
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GRADING, DRAINAGE & UTILITY PLAN



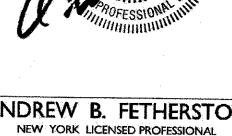




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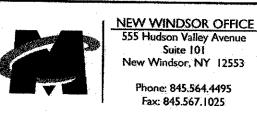
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Call before you dig. FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALLBI I.COM ANDREW B. FETHERSTON NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 073555-1 BJ's WHOLESALE CLUB FOR GDPBJ, LLC SECTION 97



BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY **NEW YORK STATE**

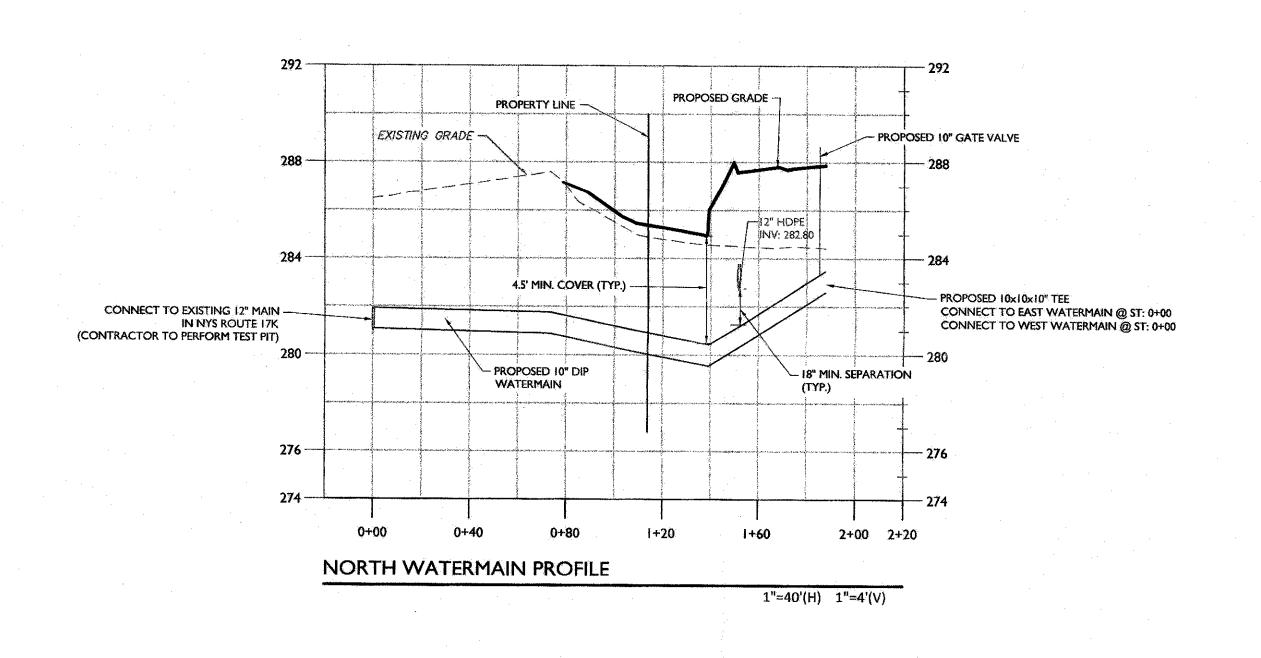


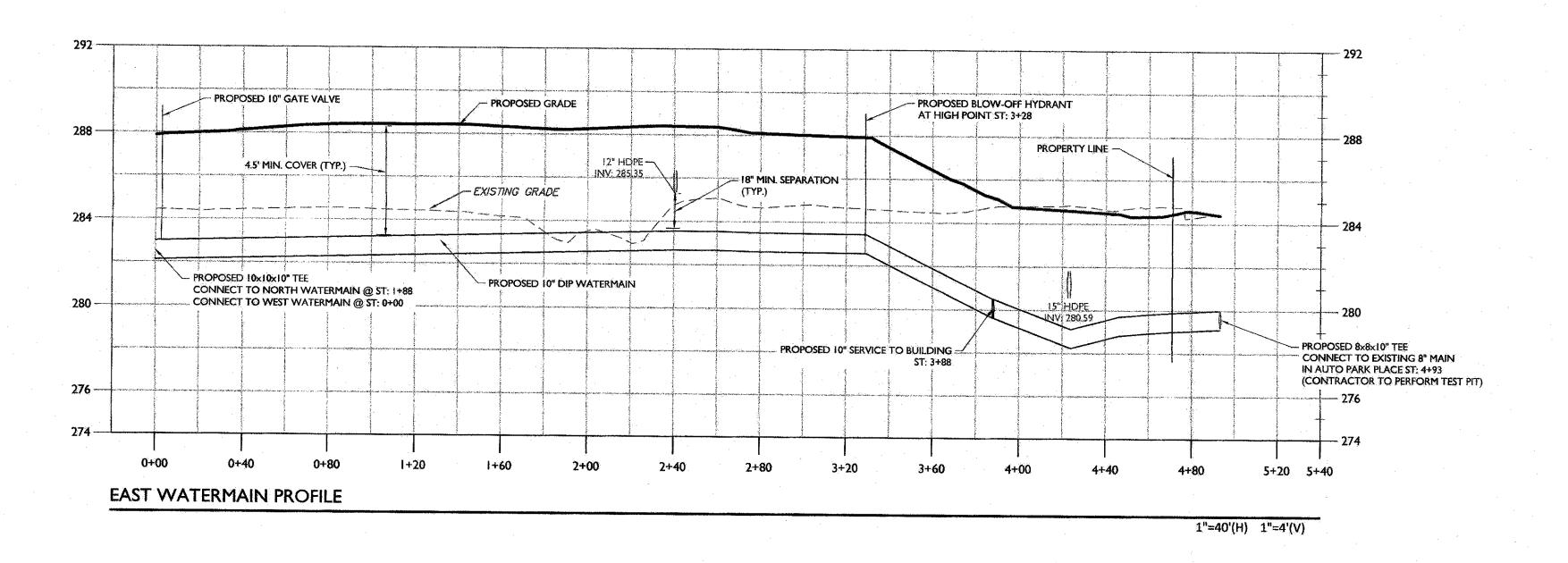
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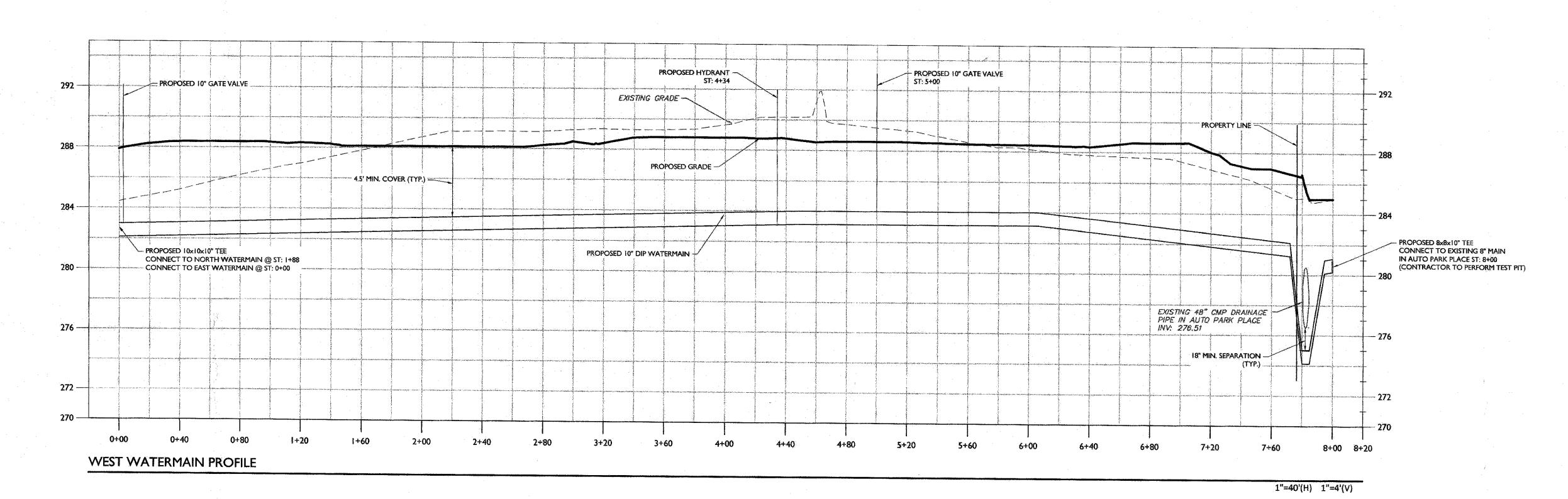
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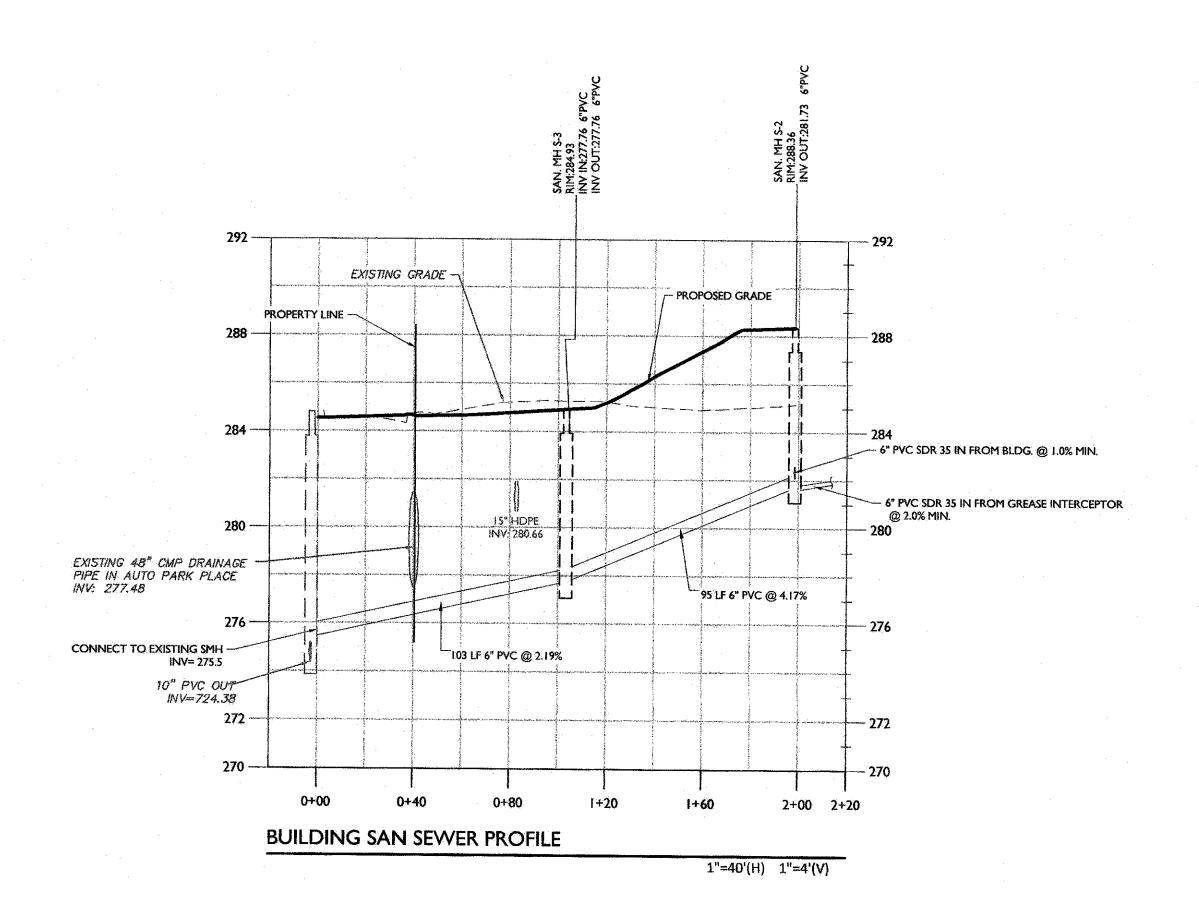
UTILITIES PLAN

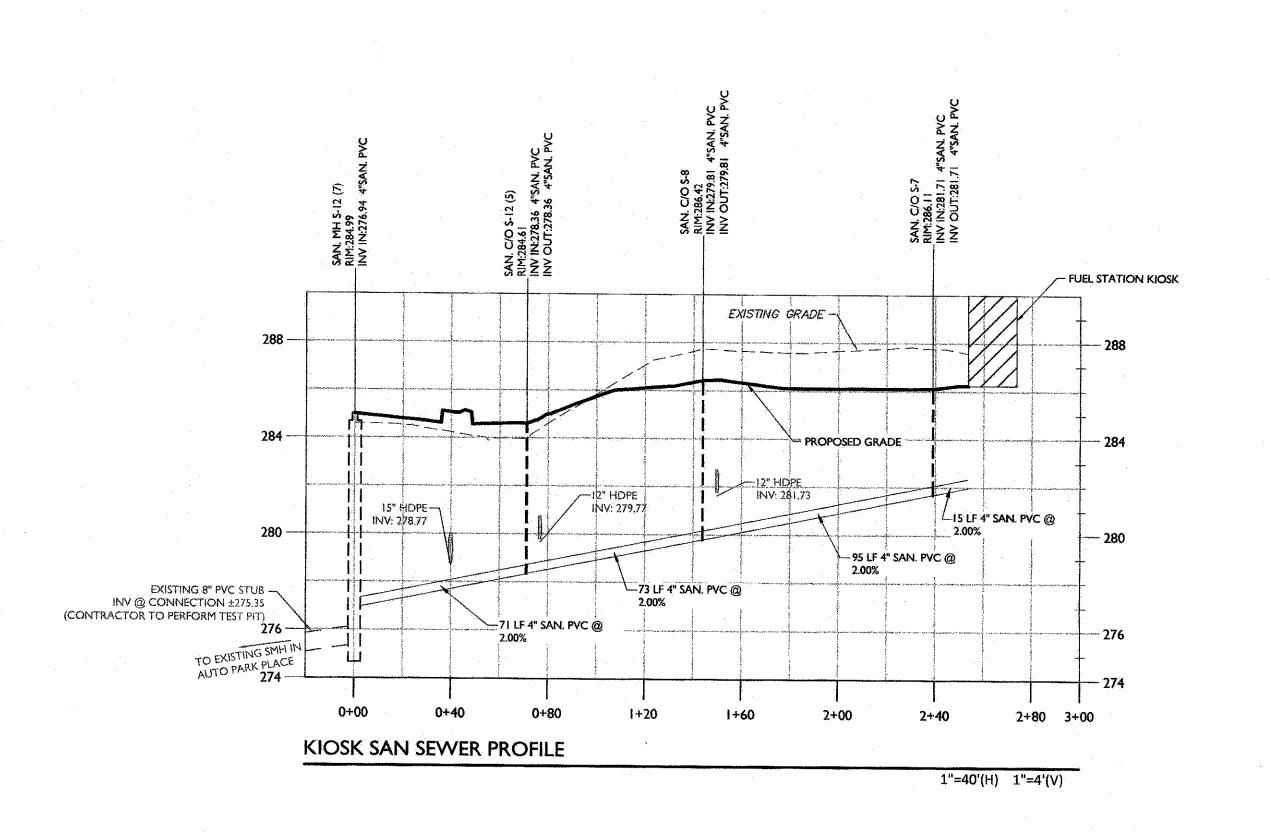
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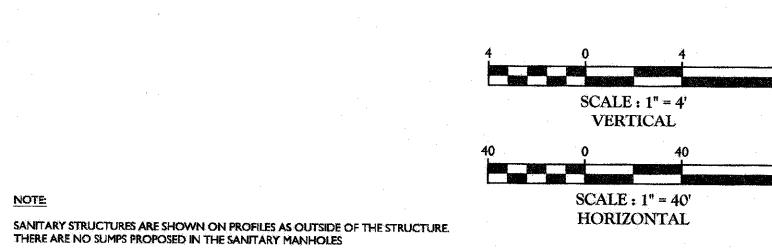




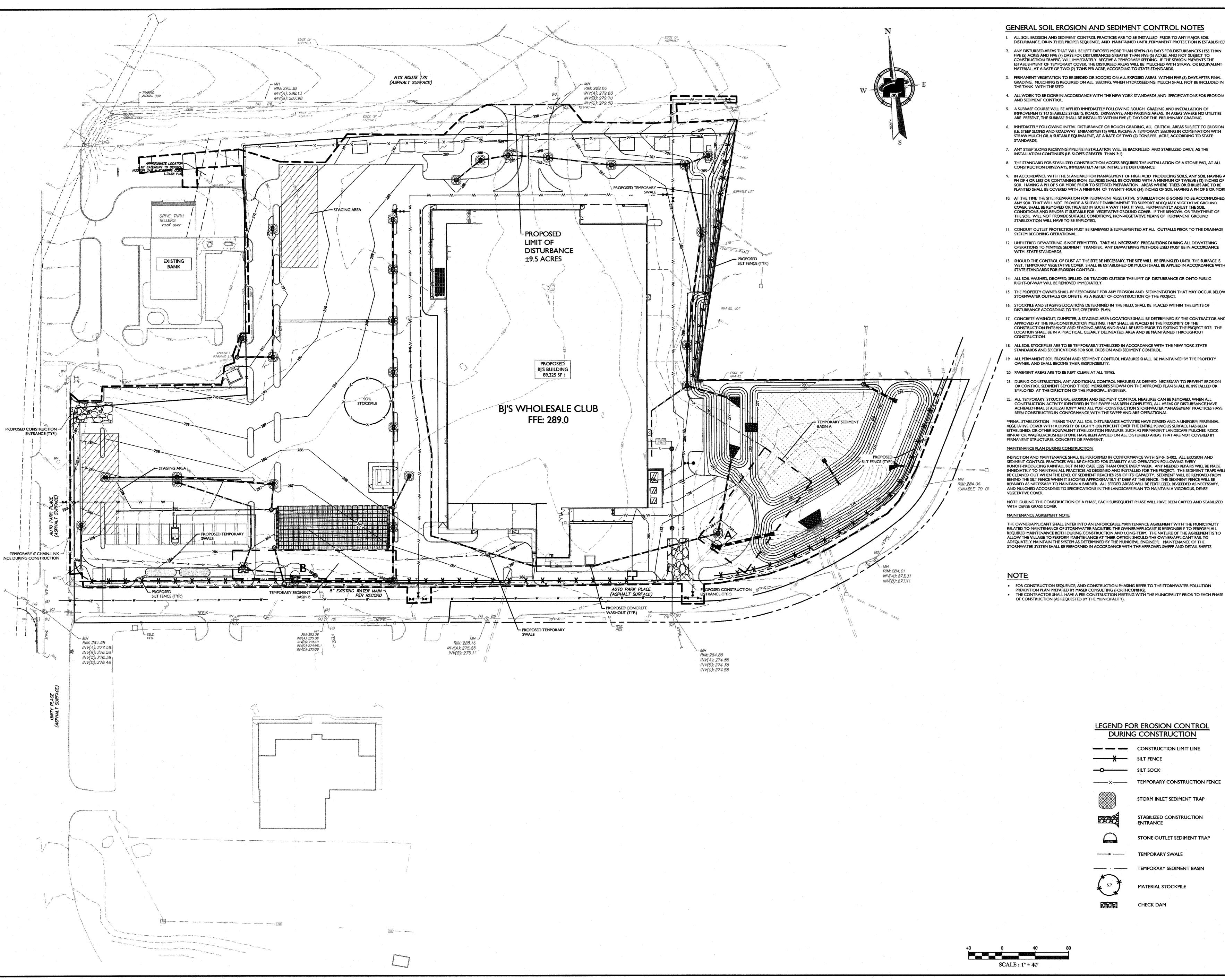








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GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SEVEN (14) DAYS FOR DISTURBANCES LESS THAN FIVE (5) ACRES AND FIVE (7) DAYS FOR DISTURBANCES GREATER THAN FIVE (5) ACRES, AND NOT SUBJECT TO
- CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- 3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCHING IS REQUIRED ON ALL SEEDING, WHEN HYDROSEEDING, MULCH SHALL NOT BE INCLUDED IN
- 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION
- 5. A SUBBASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUBBASE SHALL BE INSTALLED WITHIN FIVE (5) DAYS OF THE PRELIMINARY GRADING.
- 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE
- 7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE
- 8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A STONE PAD, AT ALL
- 9. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A
- PLANTED SHALL BE COVERED WITH A MINIMUM OF TWENTY-FOUR (24) INCHES OF SOIL HAVING A PH OF 5 OR MORE. 10. AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL
- CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND
- 11. CONDUIT OUTLET PROTECTION MUST BE REVIEWED & SUPPLEMENTED AT ALL OUTFALLS PRIOR TO THE DRAINAGE
- 12. UNFILTERED DEWATERING IS NOT PERMITTED. TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT. TRANSFER, ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE
- 13. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH
- 14. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC
- 15. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION AND SEDIMENTATION THAT MAY OCCUR BELOW
- STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- 17. CONCRETE WASHOUT, DUMPSTER, & STAGING AREA LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND
- APPROVED AT THE PRE-CONSTRUCITON MEETING. THEY SHALL BE PLACED IN THE PROXIMITY OF THE CONSTRUCTION ENTRANCE AND STAGING AREAS AND SHALL BE USED PRIOR TO EXITING THE PROJECT SITE. THE LOCATION SHALL BE IN A PRACTICAL, CLEARLY DELINEATED, AREA AND BE MAINTAINED THROUGHOUT
- 18. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, AND SHALL BECOME THEIR RESPONSIBILITY.
- 20. PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES.
- 21. DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES AS DEEMED NECESSARY TO PREVENT EROSION OR CONTROL SEDIMENT BEYOND THOSE MEASURES SHOWN ON THE APPROVED PLAN SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE MUNICIPAL ENGINEER.
- 22. ALL TEMPORARY, STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED, WHEN ALL CONSTRUCTION ACTIVITY IDENTIFIED IN THE SWPPP HAS BEEN COMPLETED, ALL AREAS OF DISTURBANCE HAVE ACHIEVED FINAL STABILIZATION** AND ALL POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES HAVE
- BEEN CONSTRUCTED IN CONFORMANCE WITH THE SWPPP AND ARE OPERATIONAL. **FINAL STABILIZATION - MEANS THAT ALL SOIL DISTURBANCE ACTIVITIES HAVE CEASED AND A UNIFORM, PERENNIAL

VEGETATIVE COVER WITH A DENSITY OF EIGHTY (80) PERCENT OVER THE ENTIRE PERVIOUS SURFACE HAS BEEN ESTABLISHED; OR OTHER EQUIVALENT STABILIZATION MEASURES, SUCH AS PERMANENT LANDSCAPE MULCHES, ROCK RIP-RAP OR WASHED/CRUSHED STONE HAVE BEEN APPLIED ON ALL DISTURBED AREAS THAT ARE NOT COVERED BY

SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED AND INSTALLED FOR THE PROJECT. THE SEDIMENT TRAPS WILL BE CLEANED OUT WHEN THE LEVEL OF SEDIMENT REACHES 25% OF ITS' CAPACITY. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES APPROXIMATELY 6" DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. ALL SEEDED AREAS WILL BE FERTILIZED, RE-SEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE LANDSCAPE PLAN TO MAINTAIN A VIGOROUS, DENSE

NOTE: DURING THE CONSTRUCTION OF A PHASE, EACH SUBSEQUENT PHASE WILL HAVE BEEN CAPPED AND STABILIZED

THE OWNER/APPLICANT SHALL ENTER INTO AN ENFORCEABLE MAINTENANCE AGREEMENT WITH THE MUNICIPALITY RELATED TO MAINTENANCE OF STORMWATER FACILITIES. THE OWNER/APPLICANT IS RESPONSIBLE TO PERFORM ALL REQUIRED MAINTENANCE BOTH DURING CONSTRUCTION AND LONG-TERM. THE NATURE OF THE AGREEMENT IS TO ALLOW THE VILLAGE TO PERFORM MAINTENANCE AT THEIR OPTION SHOULD THE OWNER/APPLICANT FAIL TO ADEQUATELY MAINTAIN THE SYSTEM AS DETERMINED BY THE MUNICIPAL ENGINEER. MAINTENANCE OF THE STORMWATER SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED SWPPP AND DETAIL SHEETS.

- FOR CONSTRUCTION SEQUENCE, AND CONSTRUCTION PHASING REFER TO THE STORMWATER POLLUTION
- PREVENTION PLAN PREPARED BY MASER CONSULTING (FORTHCOMING). THE CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION MEETING WITH THE MUNICIPALITY PRIOR TO EACH PHASE

CONSTRUCTION LIMIT LINE SILT FENCE

- SILT SOCK

TEMPORARY CONSTRUCTION FENCE



STABILIZED CONSTRUCTION ENTRANCE

STORM INLET SEDIMENT TRAP

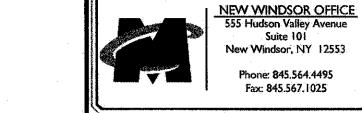


STONE OUTLET SEDIMENT TRAP

---> --- TEMPORARY SWALE TEMPORARY SEDIMENT BASIN



CHECK DAM



DRAWN BY: CHECKED BY: AS SHOWN 05/24/19 CDR

New Windsor, NY 12553 Phone: 845,564,4495

ANDREW B. FETHERSTON NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 073555-1

BJ's WHOLESALE CLUB

GDPBJ, LLC

SECTION 97

BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY

NEW YORK STATE

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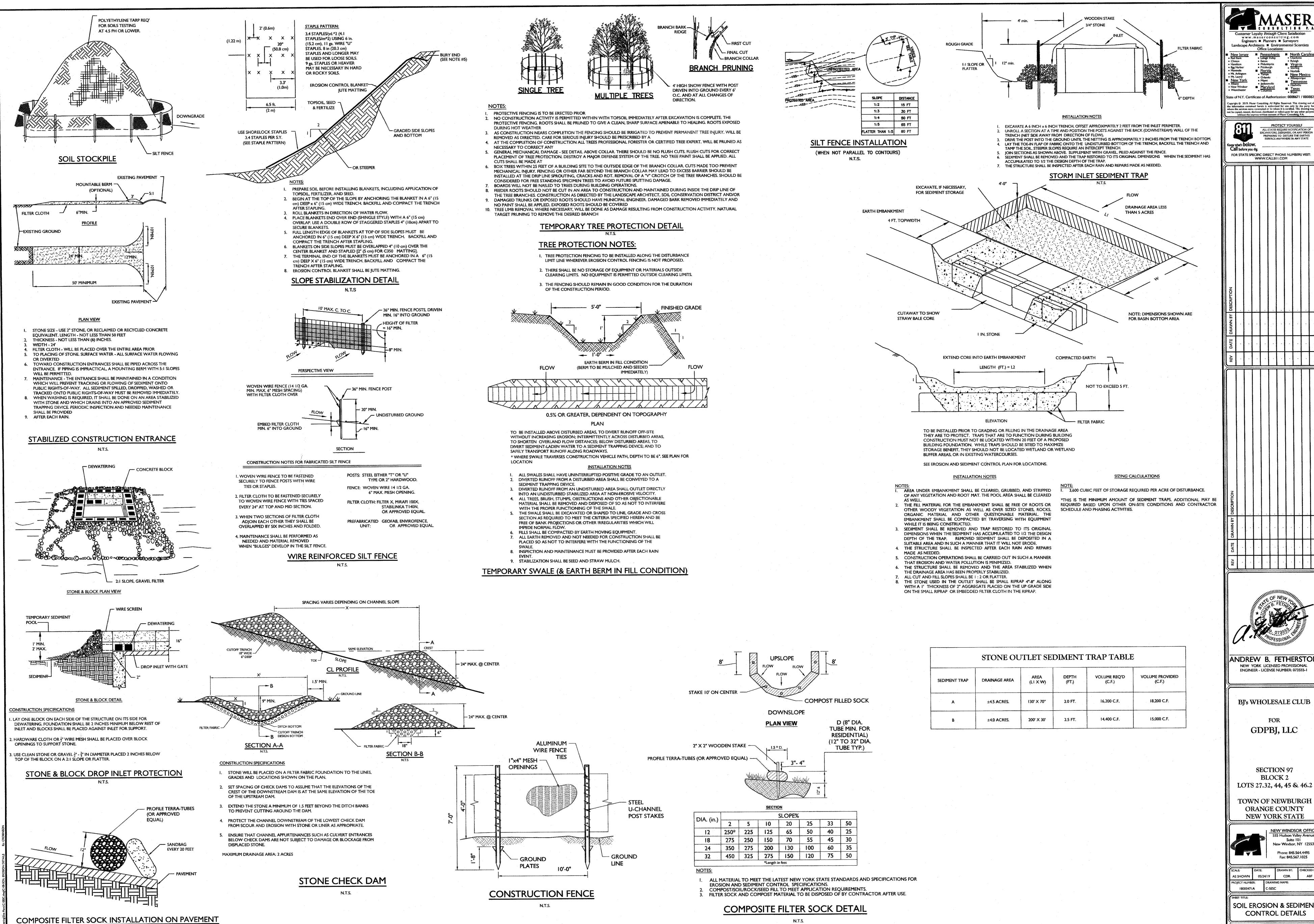
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SOIL EROSION & SEDIMENT CONTROL PLAN



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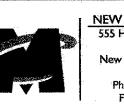
BI's WHOLESALE CLUB

FOR GDPBJ, LLC

SECTION 97

LOTS 27.32, 44, 45 & 46.2 TOWN OF NEWBURGH

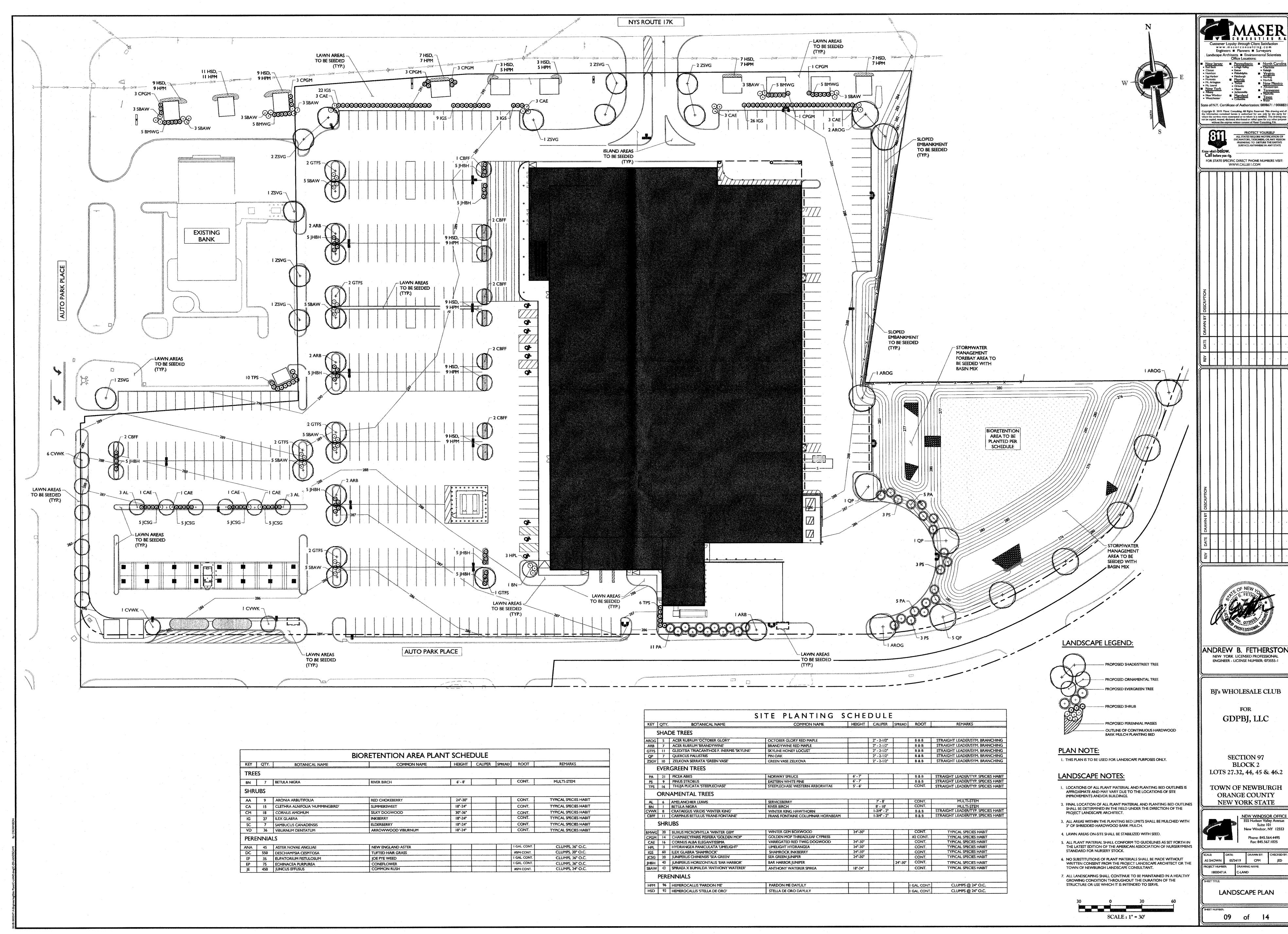
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Suite 101 Phone: 845.564.4495 Fax: 845.567.1025 CDR

SOIL EROSION & SEDIMENT

CONTROL DETAILS



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BJ's WHOLESALE CLUB

GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

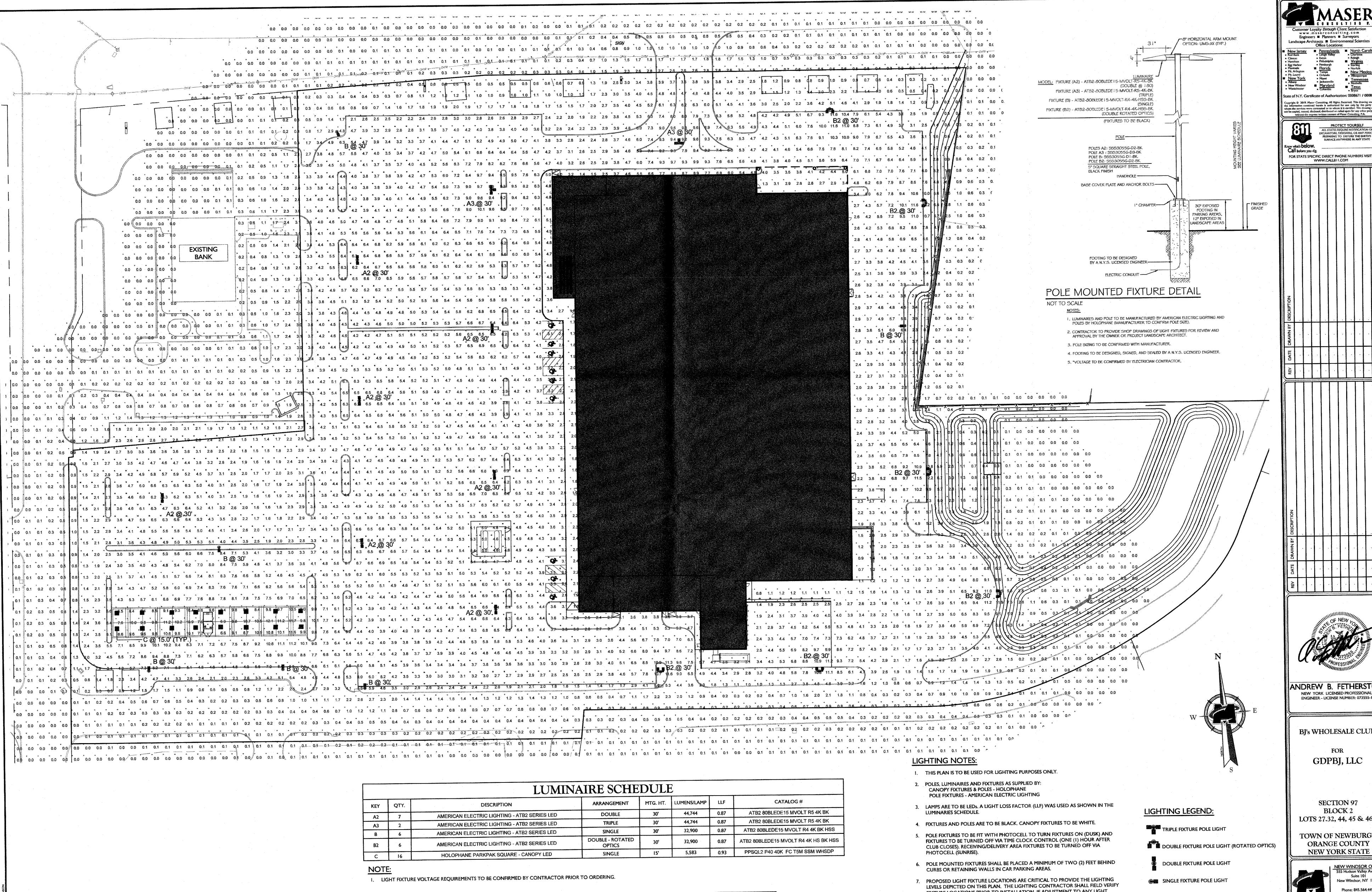
TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE

NEW WINDSOR OFFICE

555 Hudson Valley Avenue
Suite 101 New Windsor, NY 12553 Phone: 845.564.4495 Fax: 845.567.1025

CPM DRAWING NAME

LANDSCAPE PLAN



CALC	ULATION	SUMMA	RY			. `
DESCRIPTION	CALC. TYPE	UNITS	AVG.	MAX.	MIN.	AVG./ MIN.
ROUTE 17K ENTRANCE DRIVEWAY AREA	ILLUMINANCE	FC	7.2	9.9	3.6	2.0:1
FUELING AREA	ILLUMINANCE	FC	6.6	12.1	1.3	5.1:1
MEMBER AREA - ADJACENT TO BREEZEWAY	ILLUMINANCE	FC	5.5	10.1	2.4	2.3:1
MEMBER AREA - ADJACENT TO TIRE CENTER	ILLUMINANCE	FC	5.2	11.3	1.4	3.7:1
PARKING AREAS	ILLUMINANCE	FC	4.5	7.7	1.1	4.1:1
ECEIVING AREAS (EASTERN SIDE OF BUILDING)	ILLUMINANCE	FC	4.6	12.2	0.7	6.6:1

- FIXTURE LOCATIONS PRIOR TO INSTALLATION. IF ADJUSTMENT TO ANY LIGHT FIXTURE LOCATION IS REQUIRED DUE TO FINAL CONSTRUCTION OF UTILITIES AND SITE IMPROVEMENTS, THE LIGHTING CONTRACTOR SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
- 8. LIGHTING SHOWN ON PLAN DEPICTS AVERAGE MAINTAINED FOOTCANDLE LEVELS
- AT GRADE. 9. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF LIGHT FIXTURES FOR REVIEW
- AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT. 10. ELECTRICAL PLANS FOR WIRING LAYOUT BY OTHERS.
- 11. POLE BASE INSTALLATION SHALL INCLUDE A SUPPLEMENTARY GROUND ROD AND WIRE LEAD TO BASE FOR POWER CONNECTION. DETAILS PER PROJECT ELECTRICAL ENGINEER.

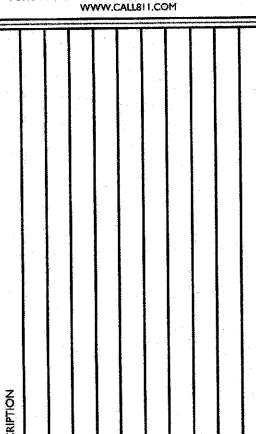
CANOPY MOUNTED FIXTURE

*0.0 LIGHT LEVEL AT GRADE (IN FOOTCANDLES)

SCALE : 1" = 30'

Landscape Architects
Environmental Scienti Copyright © 2017. Maser Consulting. All Rights Reserved. This grawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose

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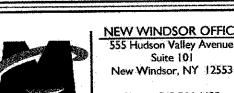
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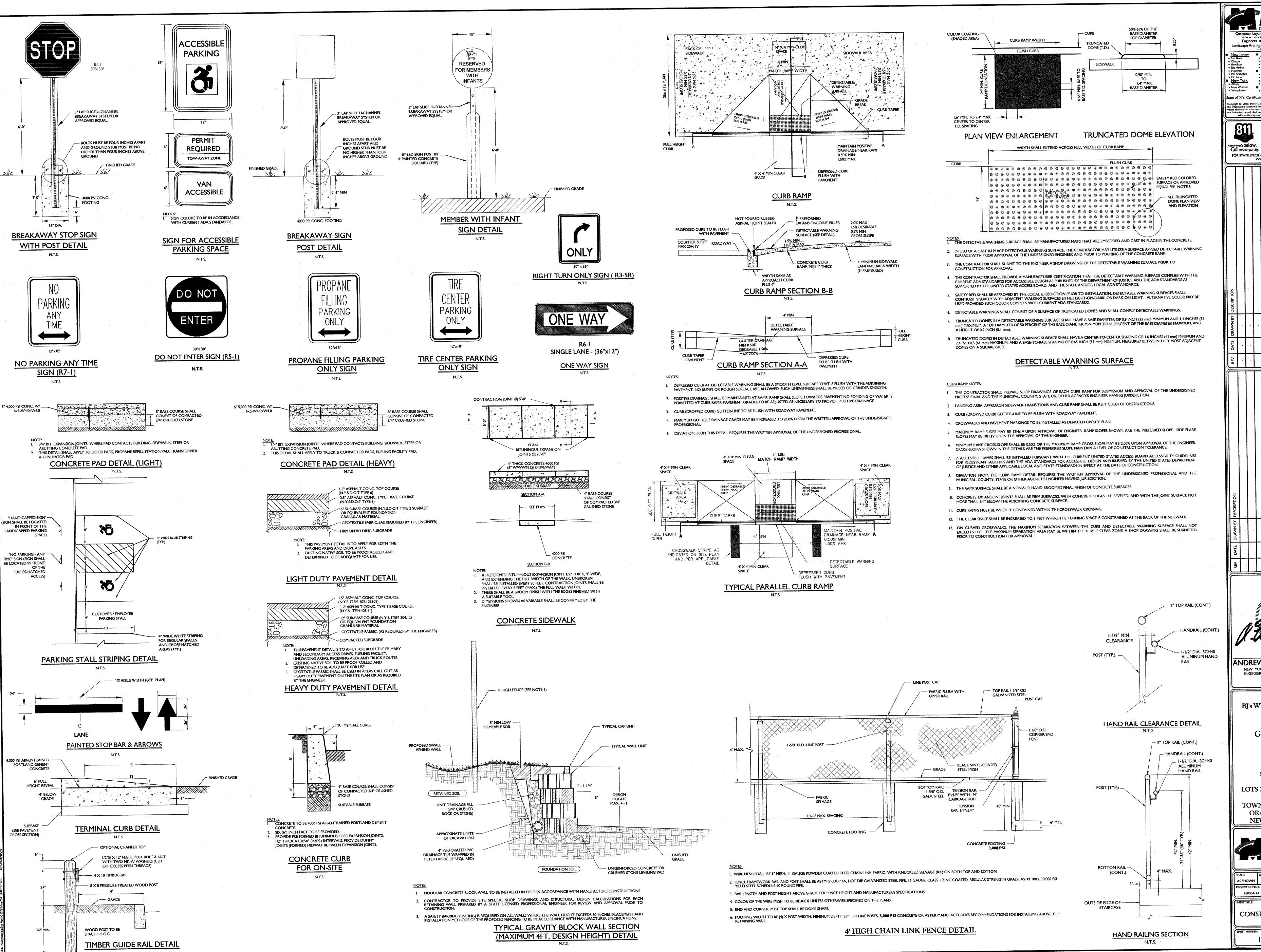
TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE



AS SHOWN

New Windsor, NY 12553 Phone: 845.564.4495 Fax: 845.567.1025 05/24/19 СРМ

LIGHTING PLAN



Customer Loyalty through Client Satisfaction Engineers Planners Surveyors Landscape Architects Environmental Scientist
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BJ's WHOLESALE CLUB

FOR

GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH

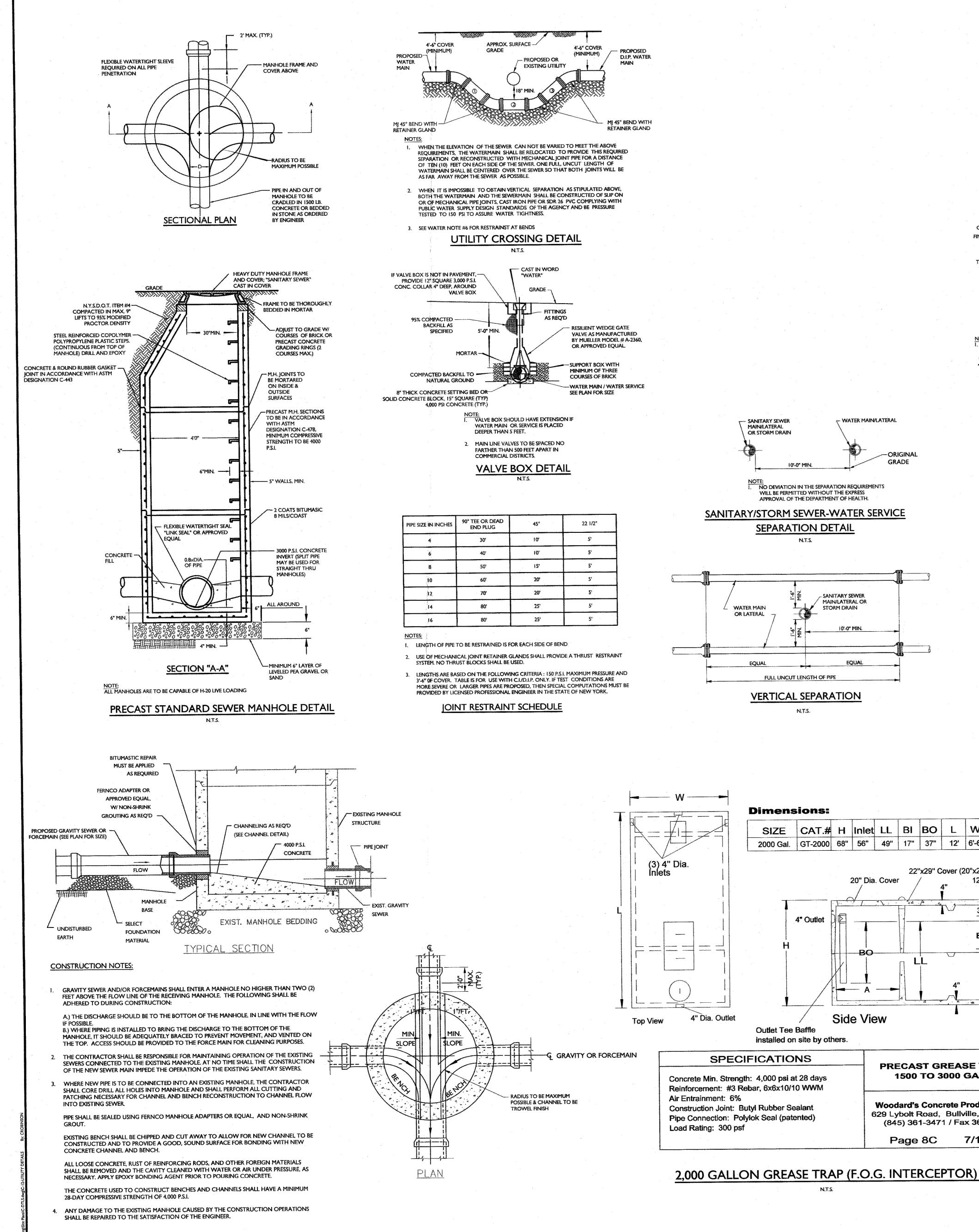
ORANGE COUNTY **NEW YORK STATE**

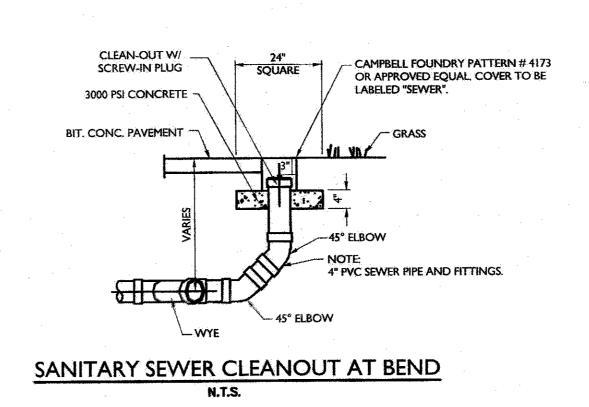
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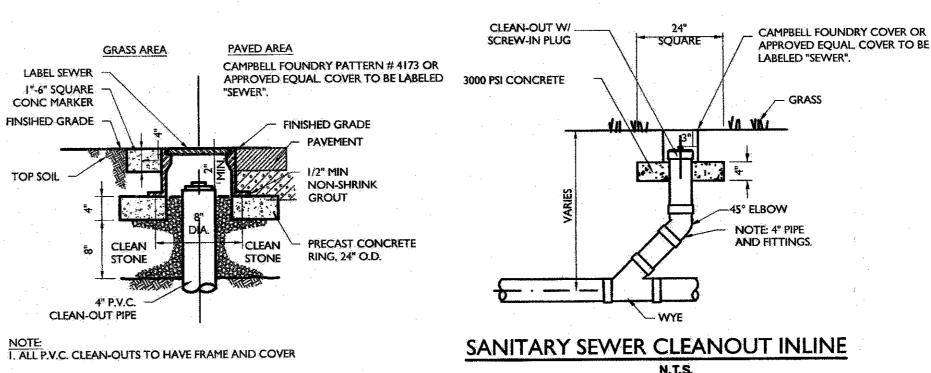
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05/24/19 **DRAWING NAME**

CONSTRUCTION DETAILS







NOTE:
PIPE AND FITTINGS AS MANUFACTURED BY ADS OR APPROVED EQUAL. N.T.S. - FINISHED GRADE - SET FLUSH WITH FINISHED GRADE

CLEAN-OUT PROTECTION BOX

WATER MAIN/LATERA

SANITARY SEWER

OR STORM DRAIN

NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE DEPARTMENT OF HEALTH.

SANITARY SEWER

MAIN/LATERAL OR

2000 Gal. | GT-2000 | 68" | 56" | 49" | 17" | 37" | 12' | 6'-6" | 43'

20" Dia. Cover

22"x29" Cover (20"x27" on 1500)

PRECAST GREASE TRAPS

Woodard's Concrete Products. Inc.

629 Lybolt Road, Bullville, NY 10915

(845) 361-3471 / Fax 361-1050

Page 8C

7/18/14

1500 TO 3000 GALLONS

12" x 16" Cover

SEPARATION DETAIL

FULL UNCUT LENGTH OF PIPE

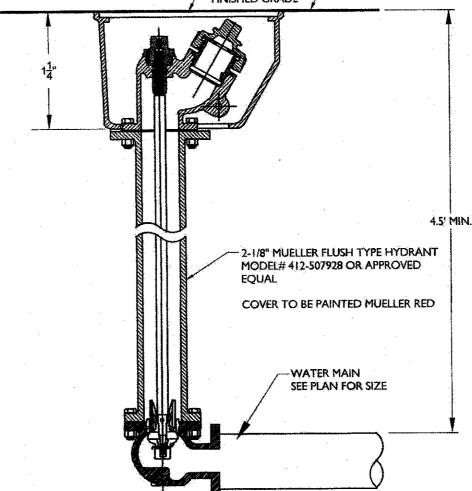
Dimensions:

VERTICAL SEPARATION

MAIN/LATERAL

WATER MAIN

OR LATERAL



BLOW-OFF/FLUSHING HYDRANT DETAIL

SANITARY SEWER NOTES

- SANITARY SEWERS ARE TO BE OF SDR 35 PVC (OR HEAVIER IF REQUIRED BY THE MUNICIPALITIES ENGINEER DUE TO LOADING CONDITIONS).
- 2. ALL LATERALS TO BE INSTALLED BY PLUMBERS, LICENSED IN THE MUNICIPALITY AND ALL WORK SHALL BE INSPECTED BEFORE BACKFILLING.
- 3. ALL PIPE SHALL BE BEDDED (CUSHIONED) ON MINIMUM OF 6" THICK LAYER OF 3/4" CRUSHED STONE. ADDITIONALLY, THE 3/4" CRUSHED STONES SHALL BE PLACED 1/4 THE HEIGHT OF THE PIPE
- 4. SANITARY SEWER CONSTRUCTION SHALL MEET ALL SEWER CONSTRUCTION SPECIFICATIONS FOR
- THE TOWN OF NEWBURGH.

5. A REPRESENTATIVE FROM THE TOWN MUST BE PRESENT FOR ALL TESTING OF THE SANITARY

- TEST RESULTS FOR THE FOLLOWING TESTS MUST BE SUBMITTED AND ACCEPTED BY THE TOWN
- TV INSPECTION SHALL BE PERFORMED ON SANITARY SEWERS AS REQUIRED BY THE TOWN.
- THE VACUUM TEST SHALL MEET THE REQUIREMENTS OF C1244-02 STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR PRESSURE (VACUUM) TEST PRIOR TO BACKFILL.

EAKAGE TESTS SHALL BE SPECIFIED. THIS MAY INCLUDE APPROPRIATE WATER OR LOW PRESSURE AIR TESTING. THE TESTING METHODS SELECTED SHOULD TAKE INTO CONSIDERATION THE RANGE IN GROUNDWATER ELEVATIONS DURING THE TEST AND ANTICIPATED DURING THE DESIGN LIFE OF THE

THE LEAKAGE EXFILTRATION OR INFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY (0.02 M3/MM OF PIPE DIA/KM/DAY) FOR ANY SECTION OF THE SYSTEM. AN EXFILTRATION OR INFILTRATION TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET (600 MM).

DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM, NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS IN THE APPROVED SPECIFICATIONS, THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE

INFILTRATION, EXFILTRATION AND VISUAL TESTS BY MEANS OF LIGHT FLASHING BETWEEN MANHOLES SHALL BE AS PER REQUIREMENTS OF TOWN ENGINEER. NO TESTS SHALL BE MADE UNTIL TWO (2) WEEKS BACKFILLING OF SANITARY SEWERS OR LONGER IF CONDITIONS, IN THE AFTER OPINION OF THE TOWN ENGINEER, WARRANT IT.

ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE TEST

SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

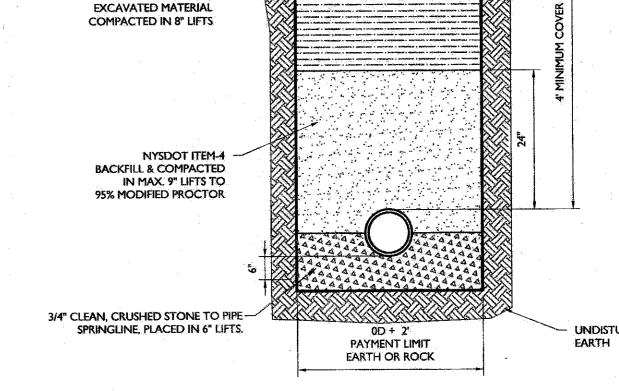
THE SANITARY SEWER MAIN INSTALLATION SHALL BE INSPECTED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK AND SHALL BE CERTIFIED TO THE MUNICIPALITY BULDING 16. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER AND OTHER UTILITIES PRIOR TO THE INSPECTOR THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DESIGN PLANS AND CODE REQUIREMENTS.

DEWATER THE TRENCH PRIOR TO INSALLATION, ALL DEWATERING OPERATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

8. IF GROUNDWATER IS ENCOUNTERED DURING TRENCH EXCAVATION, THE CONTRACTOR SHALL

9. CONTRACTOR TO VERIFY INVERT ELEVATIONS OF EXISTING SEWER MAIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. 10. CONTRACTOR SHALL CALL THE MUNICIPALITY SEWER DEPARTMENT AT LEAST TWO DAYS PRIOR

TO THE COMMENCEMENT OF CONSTRUCTION OF SEWERS. II. CONTRACTORS SHALL CALL UNDERGROUND MARKOUT AT 1-800-245-2828 AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF SEWERS FOR COMPLETE UTILITY



1. GRAVITY SERVICE SHALL BE SDR 35

TRENCH BACKFILL FOR AREAS UNDER PAVEMENT SHALL BE N.Y.S.D.O.T. ITEM 4

IN 9" MAX, LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR.

WATER MAIN TRENCH DETAIL

SANITARY SEWER TRENCH & PIPE BEDDING DETAIL

RESTORATION - FINISHED GRADE

CLEAN BACKFILL / EXCAVATED

TO BE AS REQUIRED BY LOCATION)

MATERIAL COMPACTED IN 8" LIFTS

WATER NOTES:

PIPE IDENTIFICATION TAPE-

3/4" CLEAN CRUSHED

AS APPROVED BY THE WATER/SEWER

IN 6" LIFTS

CLEAN BACKFILL/

STONE OR COARSE SAND

SUPERINTENDENT PLACED

24" ABOVE TOP OF PIPE

ALL METHODS, MATERIALS, FITTINGS, DEVICES, DIMENSIONAL REQUIREMENTS AND PROCEDURES NECESSARY TO COMPLETE THE WORK SHOWN HEREON SHALL MEET THE APPROPRIATE CURRENT AWWA SPECIFICATIONS IN EFFECT AS WELL AS ALL REQUIREMENTS DEEMED APPLICABLE BY THE MUNICIPALITY OR ANY OTHER GOVERNMENTAL BODY HAVING JURISDICTION OVER SAID WORK.

2. ALL WATER MAIN PIPE SHALL BE AWWA C151/A21.51-02 THICKNESS CLASS FIFTY-TWO (52) CEMENT LINED DUCTILE IRON PUSH-ON (RUBBER GASKET) TYPE: AND INSTALLED WITH THREE (3) BRONZE WEDGES PER JOINT. JOINT INSTALLATION SHALL BE "TYPE 2" AS PRESCRIBED IN THE LATEST REVISION OF AWWA C600. MECHANICAL JOINTS SHALL HAVE RETAINER

3. ALL PIPE FITTINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE AWWA SPECIFICATION C153/A21.53-00 4. ALL GATE VALVES SHALL BE "MUELLER" OR APPROVED EQUAL, RESILIANT-SEATED GATE VALVES WITH MECHANICAL JOINT CONNECTIONS: OPENING SHALL BE LEFT (CCW) AND OPERATION SHALL BE BY 2" SQUARE WRENCH NUT. MINIMUM WORKING PRESSURE SHALL BE 250 PSI, GATE VALVES ARE TO BE IN ACCORDANCE WITH LATEST REVISION OF AWWA

- ALL VALVE BOXES SHALL BE TWO-PIECE SLIDING BUFFALO TYPE SET ON WOODEN BLOCKS POSITIONED PERPENDICULAR TO THE PIPE AND ON COMPACTED BACKFILL.
- ALL CHANGES IN PIPE LINE DIRECTION, BOTH HORIZONTAL AND VERTICAL SHALL BE TIE-RODDED AND THRUST BLOCKED WITH CONCRETE AGAINST UNDISTURBED EARTH AS DIRECTED BY THE ENGINEER.
- 7. FLUSH OUT ALL WATER MAINS AND APPURTENANCES AS DIRECTED BY THE MUNICIPALITY UNTIL THE WATER RUNS CLEAN AND FREE OF RUST AND DIRT. PRESSURIZE ALL LINES AND APPURTENANCES FOR FORTY-EIGHT (48) HOURS, OR AS DIRECTED BY THE MUNICIPALITY, TO REVEAL ANY LEAKS OR BROKEN PIPE. THIS SHALL ALL BE DONE EITHER AS A TOTAL PROJECT OR BETWEEN VALVED SECTIONS AS DIRECTED BY THE TOWN. IF PRESSURE TESTING REVEALS ANY LEAKS OR DIFFICULTIES THE CONTRACTOR SHALL PROMPTLY UNCOVER THE LEAK OR BROKEN PIPE AND IMMEDIATELY REPAIR AND RETEST SAME. THIS SHALL BE REPEATED AS MANY TIMES AS MAY BE REQUIRED TO DEMONSTRATE A TIGHT LINE TO THE SATISFACTION OF THE TOWN. THE NEW WATER MAIN AND APPURTENANCES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C-600. RESULTS OF TESTS ARE TO BE SUBMITTED AND ACCEPTED

8. THE MUNICIPAL ENGINEER MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO PRESSURE TESTING.

9. ALL WATER LINES AND APPURTENANCES SHALL BE DISINFECTED TO THE SATISFACTION OF THE MUNICIPALITY, AND IN ACCORDANCE WITH THE STANDARDS OF THE DEPT. OF HEALTH, THIS SHALL ALSO BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C6SI. A MINIMUM OF TWO (2) BACTERIAL TESTS TAKEN TWENTY-FOUR (24) HOURS APART ARE REQUIRED. RESULTS OF TESTS ARE TO BE SUBMITTED AND ACCEPTED BY THE MUNICIPALITY. AS PER AWWA C651, LATEST REVISION, WATER MAIN DISINFECTION PROCEDURE SHALL, GENERALLY, BE AS FOLLOWS INSPECTING MATERIALS TO BE USED TO ENSURE THEIR INTEGRITY.

PREVENTING CONTAMINATING MATERIALS FROM ENTERING THE WATER MAIN DURING STORAGE, CONSTRUCTION, O REPAIR AND NOTING POTENTIAL CONTAMINATION AT THE CONSTRUCTION SITE. REMOVING, BY FLUSHING OR OTHER MEANS, THOSE MATERIALS THAT MAY HAVE ENTERED THE WATER MAIN. CHLORINATING ANY RESIDUAL CONTAMINATION THAT MAY REMAIN, AND FLUSHING THE CHLORINATED WATER FROM TH

PROTECTING THE EXISTING DISTRIBUTION SYSTEM FROM BACKFLOW CAUSED BY HYDROSTATIC PRESSURE TEST AND DISINFFCTION PROCEDURES.

DOCUMENTING THAT AN ADEQUATE LEVEL OF CHLORINE CONTACTED EACH PIPE TO PROVIDE DISINFECTION. DETERMINING THE BACTERIOLOGICAL QUALITY BY LABORATORY TEST AFTER DISINFECTION. FINAL CONNECTION OF THE APPROVED NEW WATER SERVICE TO THE ACTIVE DISTRIBUTION SYSTEM.

THE CONTINUOUS-FEED METHOD SHALL BE IMPLEMENTED FOR CHLORINATION, AS DESCRIBED IN AWWA C651, LATEST REVISION. AFTER CHLORINATION, THE CONTRACTOR SHALL FLUSH THE MAINS AS PER FINAL FLUSHING REQUIREMENTS OF AWWA C651, LATEST REVISION. WHEN CUTTING INTO OR REPAIRING AN EXISTING MAIN, DISINFECTION PROCEDURES SHALL BE OBSERVED AS DETAILED IN DISINFECTION PROCEDURES WHEN CUTTING INTO OR REPAIRING EXISTING MAINS OF AWWA C651, LATEST REVISION VERIFICATION SHALL BE ACCOMPLISHED VIA BACTERIOLOGICAL TESTS. AFTER FINAL FLUSHING AND BEFORE THE NEW WATER MAIN

IS CONNECTED TO THE DISTRIBUTION SYSTEM, TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HR APART, SHALL BE COLLECTED FROM THE NEW MAIN. AT LEAST ONE SET OF SAMPLES SHALL BE COLLECTED FROM EVERY 1,200 FT OF THE NEW WATER MAIN, PLUS ONE SET FROM THE END OF THE LINE AND AT LEAST ONE SET FROM EACH BRANCH. SAMPLES SHALL BE TESTED FOR BACTERIOLOGICAL (CHEMICAL AND PHYSICAL) QUALITY IN ACCORDANCE WITH STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, AND SHALL SHOW THE ABSENCE OF COLIFORM ORGANISMS AND THE PRESENCE OF A CHLORINE RESIDUAL. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED IN STERILE BOTTLES TREATED WITH SODIUM THIOSULFATE, AS REQUIRED BY STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER. NO HOSE OR FIRE HYDRANT SHALL BE USED IN THE COLLECTION OF SAMPLES. THERE SHOULD BE NO WATER IN THE TRENCH UP TO THE CONNECTION FOR SAMPLING. THE SAMPLING PIPE MUST BE DEDICATED AND CLEAN AND DISINFECTED AND FLUSHED PRIOR TO SAMPLING. A CORPORATION COCK MAY BE INSTALLED IN THE MAIN WITH A COPPER-TUBE GOOSENECK ASSEMBLY. AFTER SAMPLES HAVE BEEN COLLECTED, THE GOOSENECK ASSEMBLY MAY BE REMOVED AND RETAINED FOR FUTURE USE. IF SAMPLES RESULTS FROM THE LAB INDICATE A MEASURED HPC GREATER THAN 500 COLONY-FORMING UNITS (CFU) PER ML, FLUSHING SHOULD BE RESUMED AND ANOTHER COLIFORM AND HPC SET OF SAMPLES SHOULD BE TAKEN UNTIL NO COLIFORMS ARE PRESENT AND THE HPC IS LESS THAN 500 CFU/ML THE RECORD OF COMPLIANCE SHALL BE THE BACTERIOLOGICAL TEST RESULTS CERTIFYING THAT THE WATER SAMPLED FROM THE NEW WATER MAIN IS FREE OF COLIFORM BACTERIA CONTAMINATION AND IS EQUAL TO OR BETTER THAN THE BACTERIOLOGIC WATER QUALITY IN THE DISTRIBUTION SYSTEM.

ALL OTHER REQUIREMENTS OF AWWA C651, LATEST REVISION, SHALL BE OBSERVED. 10. WATER SERVICE CROSSING SEWER OR STORM SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER OR STORM. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER, AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER OR STORM AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER MAY BE REQUIRED.

11. WATER SERVICE SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER MAIN OR

12. WATER TIGHT PLUGS ARE TO BE INSTALLED IN THE ENDS OF PIPES WHEN WORK IS NOT IN PROGRESS.

13. LEAKAGE AND HYDROSTATIC PRESSURE TESTING SHALL BE PERFORMED AT 1.5 TIMES THE WORKING PRESSURE. 14. THE MAXIMUM DEFLECTION ALLOWED ALLOWED AT PIPE JOINTS SHALL BE LIMITED TO 80% OF THAT ALLOWED BY AWWA OR IN ACCORDANCE WITH THE MUNICIPALITY. FOR AWWA ALLOWABLE JOINT DEFLECTIONS SEE LATEST

REVISION OF AWWA SPECIFICATION C600. 15. CONSTRUCTION MUST CONFORM TO ALL ORDINANCES.

COMMENCEMENT OF CONSTRUCTION. 17. CONTRACTOR TO CALL UNDERGROUND MARK-OUT PRIOR TO COMMENCEMENT OF CONSTRUCTION AT 1-800-962-7962

FOR COMPLETE UTILITIES MARK-OUT. 18. CONTRACTOR TO CONTACT EACH MUNICIPALITYS WATER DEPARTMENT, AT LEAST 2 DAYS PRIOR TO CONSTRUCTION.

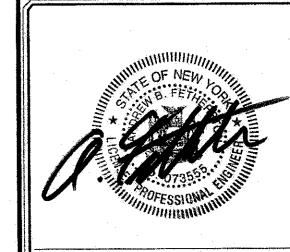
19. ALL IMPROVEMENTS SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK AND CERTIFICATION SHALL BE PROVIDED TO THE MUNICIPALITY THAT THE SUBJECT IMPROVEMENTS HAVE BEEN

20. CONTRACTOR TO NOTIFY ENGINEER OF ANY DEVIATION FROM THE HORIZONTAL OR VERTICAL ALIGNMENTS WITH REGARDS TO EXISTING UTILITIES.

21. A CERTIFIED AS BUILT MAP OF THE WATER SYSTEM IMPROVEMENTS SHALL BE PROVIDED TO THE MUNICIPALITY'S WATER

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ANDREW B. FETHERSTON NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 073555-1

BI's WHOLESALE CLUB

GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE



New Windsor, NY 12553 Phone: 845.564.4495 Fax: 845.567.1025

CDR 05/24/19 AS SHOWN

CONSTRUCTION DETAILS

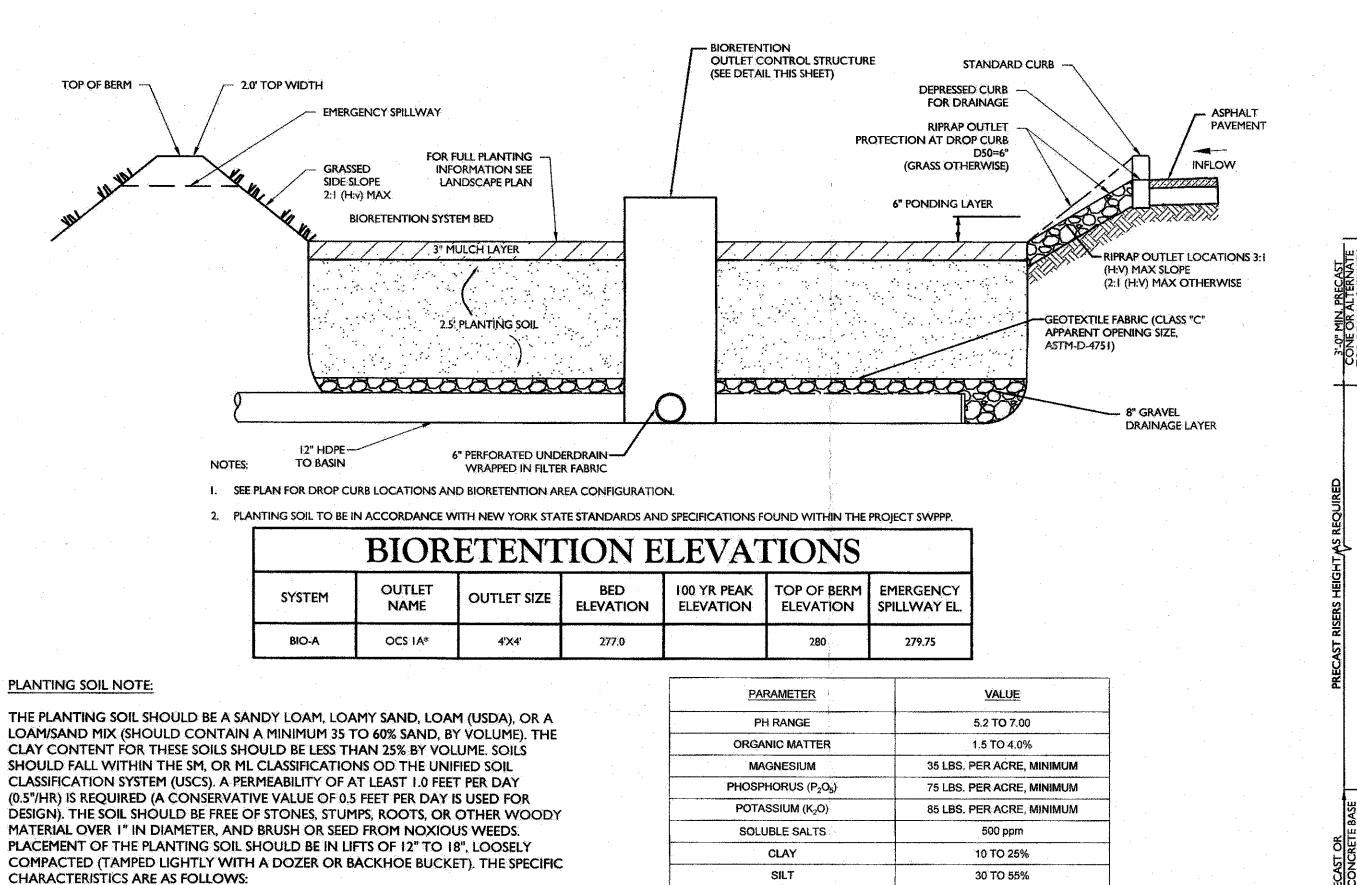
DEPARTMENT BY A LICENSED DESIGN PROFESSIONAL.

CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.

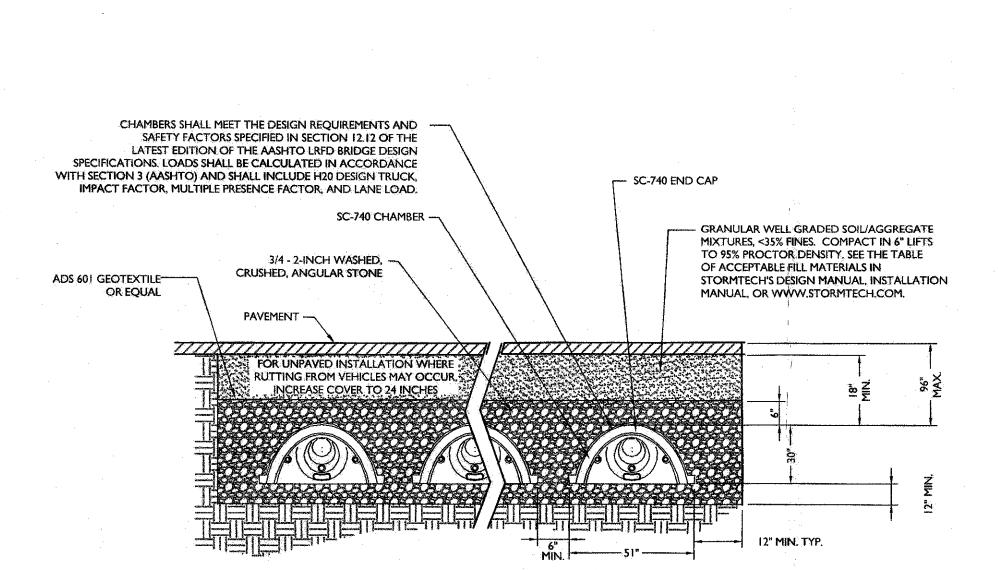
SEWER CONNECTION TO EXISTING MANHOLE DETAIL

Outlet Tee Baffle

installed on site by others.



35 TO 60%



SYSTEM SECTION

BIORETENTION SYSTEM CROSS SECTION

STORMTECH NOTES:

1. CHAMBERS SHALL BE STORMTECH SC-740 OR APPROVED EQUAL.

COPOLYMERS. 3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE

2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE

WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW. 4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12 ARE MET FOR:

ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES. 5. ONLY CHAMBERS THAT ARE APPROVED BY THE ENGINEER WILL BE ALLOWED. THE CONTRACTOR SHALL SUBMIT (3 SETS) OF THE FOLLOWING TO THE ENGINEER FOR

1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED

APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE: A STRUCTURAL EVALUATION BY A REGISTERED STRUCTURAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS,

SECTION 12.12 ARE MET.

MANUFACTURER'S LATEST INSTALLATION INSTRUCTIONS.

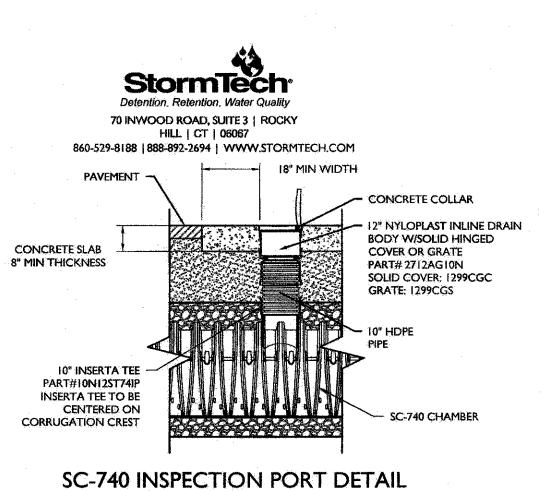
STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL CROSS SECTION IS BASED. 6. THE INSTALLATION OF CHAMBERS SHALL BE IN ACCORDANCE WITH THE 90.7" ACTUAL LENGTH 85.4" INSTALLED **CHAMBER SECTION**

*SEE STORMTECH DESIGN MANUAL

/TACCEPTS 4" SCH 40 PIPE

FOR INSPECTION PORT

STORMTECH SC-740 CHAMBER



- HEAVY DUTY MANHOLE FRAME AND COVER CAMPBELL FOUNDRY PATTERN No. 1012B SET FRAME ON A MORTAR BED WATERTIGHT RUBBER SEAL SUCH AS NEOPRENE/EPDM MANHOLE SEALING SYSTEM AS SUPPLIED BY INFI-SHIELD INC. OR AN APPROVED EQUAL (TYPICAL) GRADE WITH BRICK LEVELING COURSES OR PRECAST CONC GRADING RINGS. PRECAST CONC. DIAMETER OF MANHOLI 24" & SMALLER MORTAR JOINTS INSIDE & OUT THEN COAT IOINTS WITH "INFI-SHIELD" 8" SEAL WRAP AS SUPPLIED BY INFL-SHIELD INC. OR AN APPROVED EQUAL (TYPICAL) BUTYL RUBBER (TYPICAL) 12" C tO C, (TYP.) FED. SPEC. SS-S-00210 (ESA-FSS) -MINIMUM 6" LAYER OF LEVELED PEA GRAVEL OR UNDISTURBED SOIL

MADE OF ETHYLENE PROPYLENE DIMONOMER (EPDM) PRECAST STORM DRAIN MANHOLE SECTION

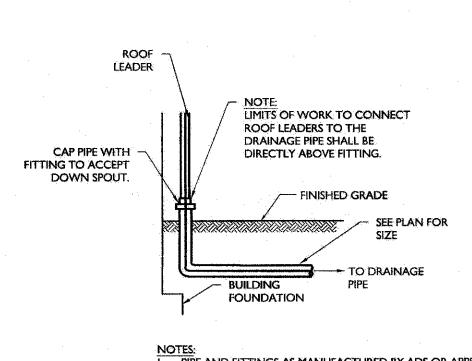
FINISHED GRADE EARTH BERM IN FILL CONDITION (BERM TO BE MULCHED AND SEEDED IMMEDIATELY) THE WATERWAY SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED. DRAINAGE SWALE DETAIL NYSDOT ITEM-4 -BACKFILL & COMPACTED IN MAX. 9" LIFTS TO 95% MODIFIED PROCTOR (SEE PLAN)

CLEAN BACKFILL / EXCAVATED FINISHED GRADE MATERIAL COMPACTED IN 8" LIFTS 3/4" CLEAN, CRUSHED STONE TO PIPE SPRINGLINE, PLACED IN OD + 2' EXCAVATIONS IN EXISTING PAYED ROADWAYS SHALL BE COORDINATED WITH THE MUNICPAL ENGINEER. 2. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

> CLEAN-OUT W/ - CAMPBELL FOUNDRY PATTERN SCREW-IN PLUG #4173 OR APPROVED EQUAL. 3000 PSI CONCRETE COVER TO BE LABELED "STORM" BIT. CONC. PAVEMENT/GRASS ROOF LEADER CLEANOUT AT BEND

STORM DRAIN TRENCH & BEDDING

N.T.S.



NOTES:

I. PIPE AND FITTINGS AS MANUFACTURED BY ADS OR APPROVED 2. CONFIRM FINAL LOCATIONS AND SIZES WITH ARCHITECTURAL

4'-0"

DESIGNED FOR H-20 HIGHWAY LOADING PLUS 25% IMPACT. . ALL COMPONENTS TO CONFORM TO NYSDOT SPECS, LATEST EDITION. . ALL DRAINAGE PIPES TO BE HDPE UNLESS NOTED OTHERWISE ON PLANS OR DETAILS

. ALL BASINS TO BE PRECAST CONCRETE

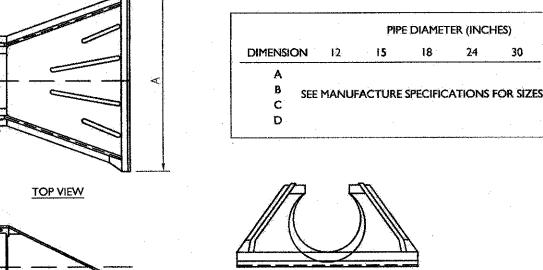
I. INSTALL FRAME AND GRATE TO MATCH SLOPE OF PAVEMENT (CAMPBELL MODEL No. 3408 - CURBLESS TYPE) (CAMPBELL MODEL No. 2617 - CURB TYPE) CONCRETE BRICK SHIM, AS REQ'D LADDER UNDERDRAIN CONNECTION, OUTLET AS REQ'D WATER TIGHT - 4,000 PSI PRECAST -CONCRETE (TYP.) - 6" CRUSHED STONE **END ELEVATION** OR RUN OF BANK SUBBASE TO BE FREE OF SOFT, UNSTABLE MATERIAL; COMPACT SUBBASE PRIOR TO PLACEMENT

FRONT ELEVATION

OF RUN OF BANK, GRAVEL FILL

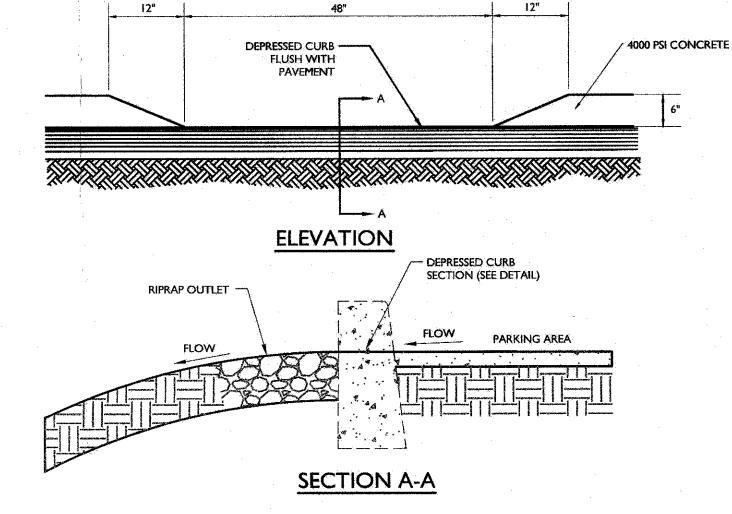
OR CRUSHED STONE.

STANDARD CATCH BASIN DETAILS



CORRUGATED POLYETHYLENE FLARED END SECTION

FRONT VIEW



DEPRESSED CURB FOR DRAINAGE

N.T.S.

Engineers ■ Planners ■ Surveyors Landscape Architects Environmental Scientists
Office Locations: Red Bank
Clinton
Hamilton
Hamilton
Hontvale
Mt. Arlington
Mt. Laurel
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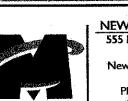
ANDREW B. FETHERSTON NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 073555-1

BJ's WHOLESALE CLUB

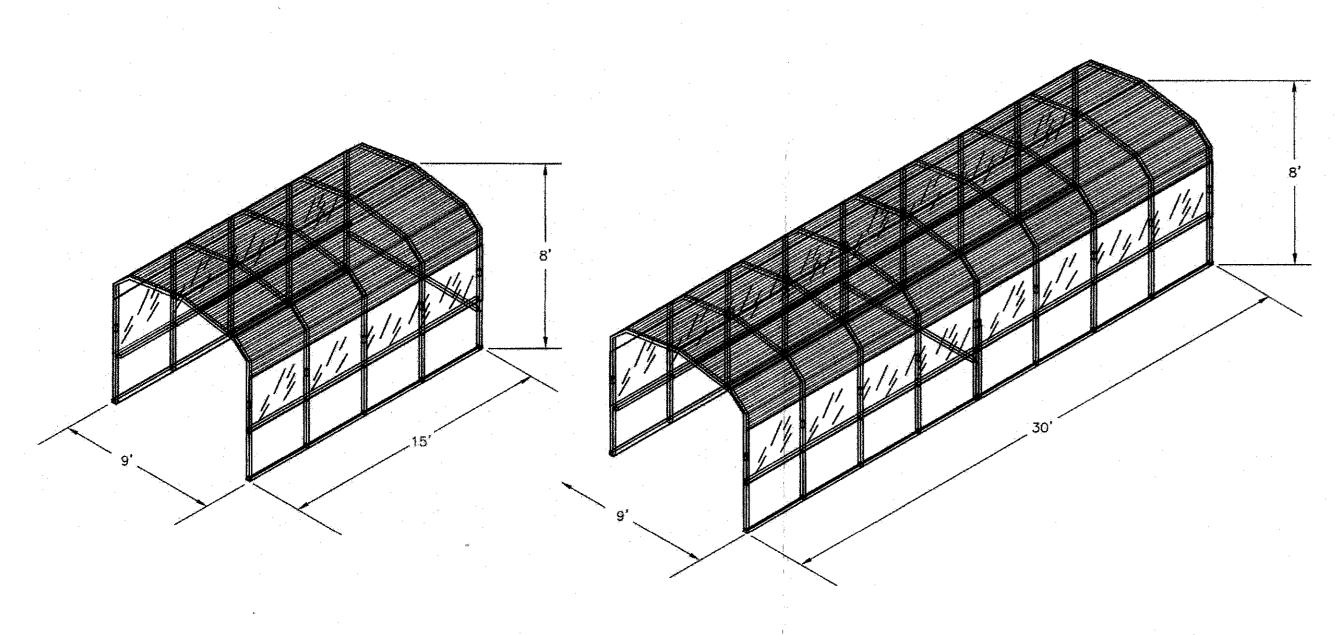
FOR GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY NEW YORK STATE



CONSTRUCTION DETAILS



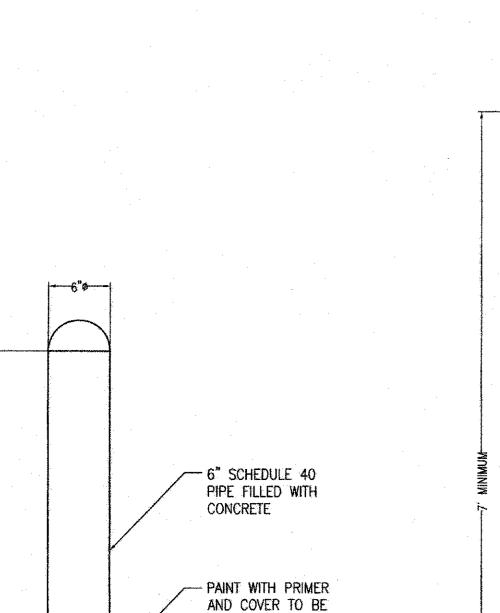
SINGLE AND DOUBLE CART CORRAL DETAILS

6" PAINTED CONCRETE BOLLARD (TYP. AT 2 PLACES) -THICKEN SLAB TO 8" AT PERIMETER OF PAD PAVEMEN U OUTSIDE EDGE OF BUILDING 1. IT IS RESPONSIBILITY OF THE ENGINEER TO CONFIRM THE DIMENSIONS AND OTHER APPURTENANCES OF THE CONCRETE STOOP.THE FINAL DESIGN SHALL COMPLY WITH ALL APPLICABLE BUILDING AND FIRE CODES. CONCRETE STOOP DETAIL

N.T.S.

NEW 4,000 PSI CONCRETE PAD TO -BE RAISED 2" ABOVE EXISTING EXISTING GRADE T CONTINUOUS #3 REBARS CONTINUOUS @ 18" O.C. 4" WELL COMPACTED GRANULAR BASE 3 REBARS CONTINUOUS @ 18" O.C. WITH 2" WELL COMPACTED-

PROPANE CONCRETE PAD DETAIL



CARTSTOP PC "POST

YELLOW BY McCUE

OR APPROVED EQUAL

COVERS" 307

- EXPANSION

JOINT &

SEALANT

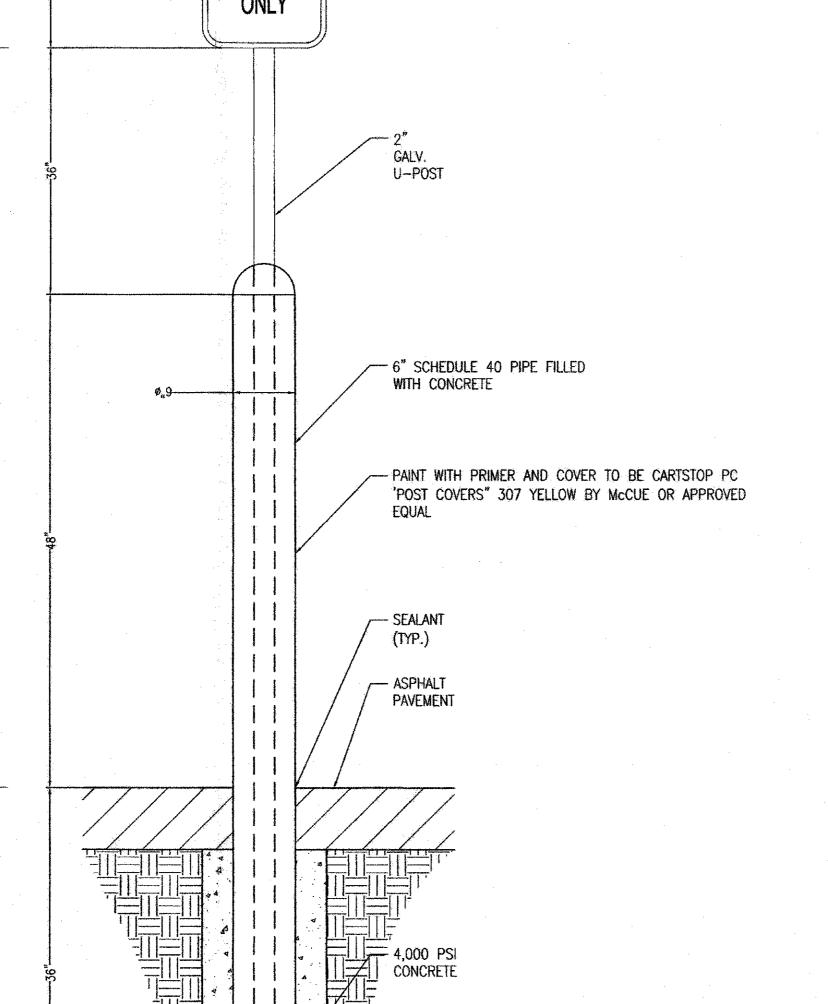
- BOND

BREAKER

CONCRETE

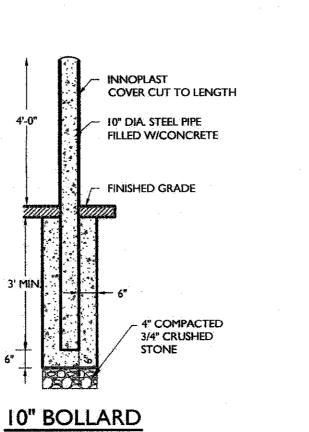
BOLLARD DETAIL

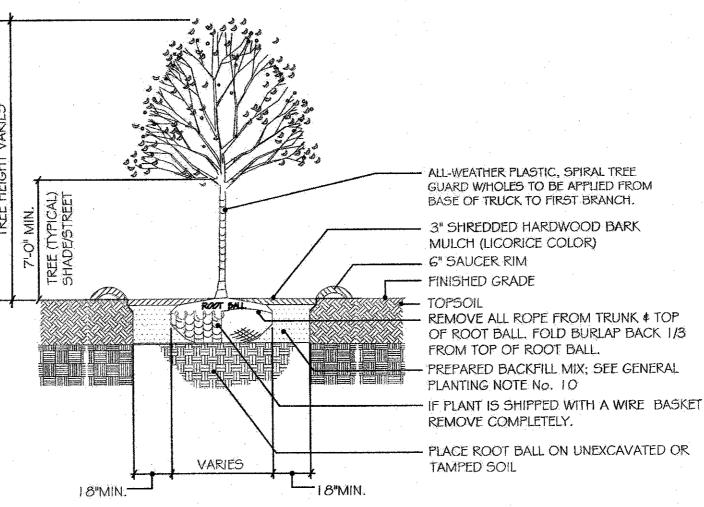
N.T.S.



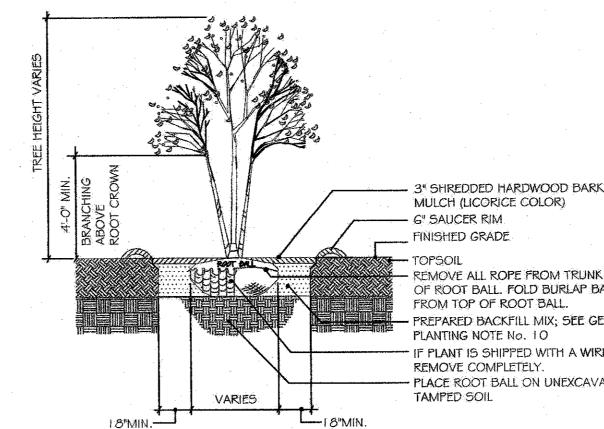
PARKING

BOLLARD WITH SIGN DETAIL



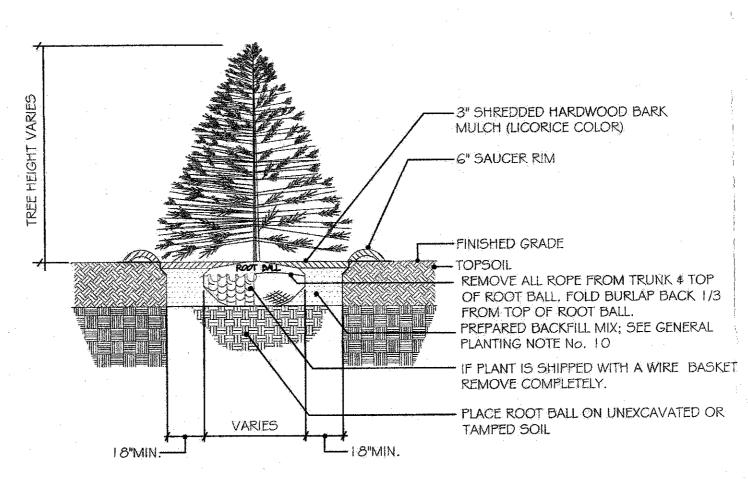


DECIDUOUS TREE PLANTING DETAIL

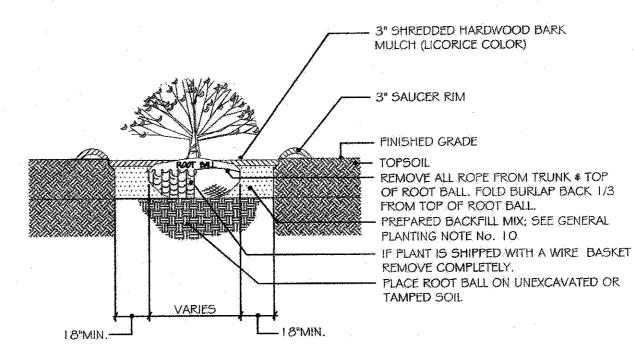


- REMOVE ALL ROPE FROM TRUNK \$ TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM TOP OF ROOT BALL. PREPARED BACKFILL MIX; SEE GENERAL PLANTING NOTE No. 10 - IF PLANT IS SHIPPED WITH A WIRE BASKET REMOVE COMPLETELY. - PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL

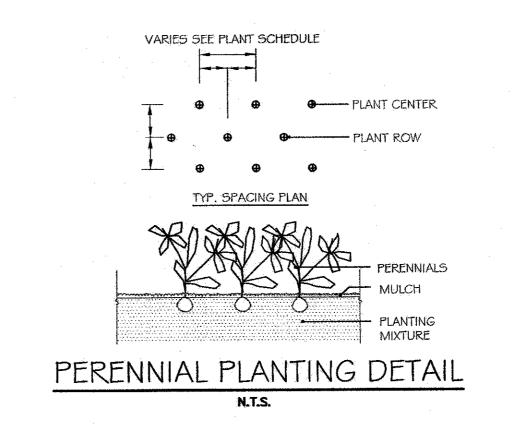
MULTI-STEM TREE PLANTING DETAIL



EVERGREEN PLANTING DETAIL



SHRUB PLANTING DETAIL



GENERAL PLANTING NOTES:

- 1. THIS PLAN SHALL BE USED FOR LANDSCAPE PLANTING PURPOSES ONLY. EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR SPECIFIC LOCATIONS OF UTILITIES AND STRUCTURES AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANTING INSTALLATION.
- 2. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND VERIFY LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION.
- 3. ALL PLANT MATERIAL SHALL CONFORM TO GUIDELINES AS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARD FOR NURSERY STOCK OR THE PLANT MATERIAL WILL BE UNACCEPTABLE. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY, SIZE AND BE CERTIFIED DISEASE AND INSECT FREE. THE OWNER AND/OR THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO APPROVE ALL PLANT MATERIAL ON SITE PRIOR TO
- 4. NO PLANT SUBSTITUTIONS SHALL BE PERMITTED WITH REGARD TO SIZE, SPECIES, OR VARIETY WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE CONSULTANT. WRITTEN PROOF OF PLANT MATERIAL UNAVAILABILITY MUST BE DOCUMENTED.
- 5. THE LOCATION OF ALL PLANT MATERIAL INDICATED ON THE LANDSCAPE PLANS ARE APPROXIMATE. THE FINAL LOCATION OF ALL PLANT MATERIAL AND PLANTING BED LINES SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT G. ALL STREET TREES AND SHADE TREES PLANTED NEAR PEDESTRIAN OR VEHICULAR ACCESS SHOULD NOT BE BRANCHED LOWER THAN 7'-O" ABOVE GRADE. ALL PLANT
- MATERIAL LOCATED WITHIN SIGHT TRIANGLE EASEMENTS SHALL NOT EXCEED A MATURE HEIGHT OF 30" ABOVE THE ELEVATION OF THE ADJACENT CURB. ALL STREET TREES PLANTED IN SIGHT TRIANGLE EASEMENTS SHALL BE PRUNED TO NOT HAVE BRANCHES BELOW 10'-0".
- 7. THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER THE PLANT SCHEDULE SHOULD ANY PLANT QUANTITY DISCREPANCIES OCCUR.
- 8. ALL PLANT MATERIAL SHALL BE PROPERLY INSTALLED IN CONFORMANCE WITH THE TYPICAL PLANTING DETAILS. INSTALL ALL PLANT MATERIAL ON UNDISTURBED GRADE, CUT AND REMOVE JUTE BURLAP FROM TOP ONE-THIRD OF THE ROOT BALL, WIRE BASKETS AND NOT JUTE BURLAP SHALL BE COMPLETELY REMOVED PRIOR TO BACKFILLING THE PLANT PIT.
- 9. BRANCHES OF DECIDUOUS TREES SHALL BE PRUNED BACK BY NO MORE THAN ONE QUARTER (1/4) TO BALANCE THE TOP GROWTH WITH ROOTS AND TO PRESERVE THEIR CHARACTER AND SHAPE. THE CENTRAL LEADER OF TREE SHALL NOT BE PRUNED. 10. PROVIDE PLANTING PITS AS INDICATED ON PLANTING DETAILS. BACKFILL PLANTING PITS WITH ONE PART EACH OF TOPSOIL, PEAT MOSS AND PARENT MATERIAL. IF WET SOIL CONDITIONS EXIST THEN PLANTING PITS SHALL BE EXCAVATED AN ADDITIONAL
- 12" AND FILLED WITH CRUSHED STONE OR UNTIL FREE DRAINING. 11. ALL PLANT MATERIAL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT BORE TO EXISTING GRADE AT NURSERY.
- 12. OPTIMUM PLANTING TIME: DECIDUOUS - APRIL I TO JUNE 1 & OCTOBER 15 TO NOVEMBER 30.
- CONIFEROUS APRIL | TO JUNE | & SEPTEMBER | TO NOVEMBER |. PLANTING OUTSIDE OF THE OPTIMUM DATES SHALL NOT BE CONDUCTED
- WITH OUT PRIOR APPROVAL FROM THE LANDSCAPE CONSULTANT. 13. NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF INSTALLATION, REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT, GROWTH AND SURVIVAL OF ALL PLANTS. WATERING AMOUNTS SHOULD BE ADJUSTED AS RAIN EVENTS OCCUR. WATERING AFTER THE INITIAL 4

WEEKS SHALL BE ADJUSTED BASED ON SEASONAL CONDITIONS: WATERING

- SHALL NOT TAKE PLACE DURING THE HOTTEST POINT OF THE DAY. 14. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR TWO YEARS AFTER THE DATE OF FINAL ACCEPTANCE. ANY PLANT MATERIAL THAT DIES WITHIN THAT TIME PERIOD SHALL BE REMOVED, INCLUDING THE STUMP, AND REPLACED BY A TREE OF SIMILAR
- SIZE AND SPECIES AT NO EXPENSE TO THE OWNER. 15. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A MINIMUM 4" LAYER OF TOPSOIL IN ALL LAWN AREAS AND A MINIMUM OF 12" OF TOPSOIL IN ALL PLANTING AREAS. A FULL SOIL ANALYSIS SHALL BE CONDUCTED AFTER CONSTRUCTION AND PRIOR TO PLANTING TO DETERMINE THE EXTENT OF
- 16. ALL DISTURBED LAWN AREAS SHALL BE STABILIZED WITH SEED AS INDICATED ON THE LANDSCAPE PLANS. TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH THE GENERAL SEEDING NOTES ON THIS SHEET. ALL DISTURBED LAWN AREAS SHALL BE TOPSOILED, LIMED, FERTILIZED AND FINE GRADED PRIOR TO

SOIL AMENDMENT REQUIRED. SOIL PH SHOULD BE 5.5-6.5.

- LAWN INSTALLATION. 17. ALL PLANTING BEDS SHALL RECEIVE 3" OF SHREDDED HARDWOOD BARK MULCH.
- 18. ALL SHRUB MASSES SHALL BE PLANTED IN CONTINUOUS MULCHED BEDS.
- 19. ALL PLANTING DEBRIS (WIRE, TWINE, RUBBER HOSE, BACKFILL ETC.) SHALL BE REMOVED FROM THE SITE AFTER PLANTING IS COMPLETE, PROPERTY IS TO BE LEFT IN A NEAT ORDERLY CONDITION IN ACCORDANCE WITH ACCEPTED PLANTING

GENERAL SEEDING NOTES:

- I. TEMPORARY SEEDING: REFER TO SOIL EROSION AND SEDIMENT CONTROL PLANS. 2. PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN APRIL 1 AND MAY 31: AND AUGUST 16 AND OCTOBER 15.
 - TURF MIX (7-10 LBS./1,000 S.F. MINIMUM) TALL FESCUE, 'STINGRAY' (34%) TALL FESCUE, RAPTOR III (33%) HARD FESCUE, 'RIDU' (33%)
 - BASIN MIX (2-3 LBS./1,000 S.F. MINIMUM) CREEPING RED FESCUE (30%)
 - TALL FESCUE (30%) PERENNIAL RYE GRASS (10%) BIRDSFOOT TREFOIL (30%)
 - SEEDING OUTSIDE OF THE OPTIMUM DATES SHALL NOT BE CONDUCTED WITH OUT PRIOR APPROVAL.
- 3. PERMANENT SEEDING TO BE APPLIED BY RAKING OR DRILLING INTO THE SOILS AT THI RATE GIVEN ABOVE.
- 4. FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE IN COMPLIANCE WITH THE LATEST NYSDEC REGULATIONS. THIS INCLUDES, BUT LIMITED TO: I. NO FERTILIZER SHALL BE APPLIED BETWEEN DEC. I AND APRIL I IN ANY YEAR. 2. SHALL NOT BE APPLIED WITHIN 20 FEET OF A WATER BODY. 3. ONLY LAWN FERTILIZER WITH LESS THAN 0.67% BY WEIGHT PHOSPHATE CONTENT MAY BE APPLIED. (A SOIL TEST PRIOR TO FERTILIZER APPLICATION IS RECOMMENDED.)
- 5. IF SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 6. 6. MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MULCH BINDER OR AN APPROVED EQUAL. MULCH WILL BE SPREAD AT RATES PER NYSDEC STANDARDS AND ANCHORED WITH A MULCH ANCHORING TOOL OR LIQUID MULCH BINDER, AND SHALL BE PROVIDED ON ALL SEEDINGS. HYDROMULCH
- SHALL ONLY BE USED DURING OPTIMUM GROWING SEASONS. 7. AS NEEDED, WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC. SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
- 8. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.
- 9. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

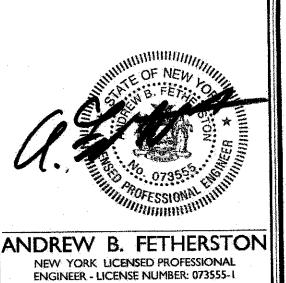
PLANT DETAIL NOTES:

OCCUR, WITH THE ADDITION OF LOOSE AGGREGATE.

- I. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. MULCH SHALL NOT TOUCH THE TREE TRUNK.
- 2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.
- 3. WIRE BASKETS AND NON-JUTE BURLAP MUST BE ENTIRELY REMOVED FROM THE ROOT BALL. JUTE BURLAP MUST BE REMOVED FROM THE TOP 1/3 OF THE ROOT BALL.
- 4. DEPTH OF PLANT PIT SHALL BE INCREASED BY 12" WHEREVER POOR SOIL CONDITIONS
- 5. CONTRACTOR SHALL PARTIALLY FILL WITH WATER A REPRESENTATIVE NUMBER OF PITS IN EACH AREA OF THE PROJECT PRIOR TO PLANTING TO DETERMINE IF THERE IS ADEQUATE PERCOLATION. IF PIT DOESN'T PERCOLATE, MEASURES MUST BE TAKEN TO ASSURE PROPER DRAINAGE BEFORE PLANTING.
- 6. PLANTING MUST BE GUARANTEED FOR TWO FULL GROWING SEASONS FROM THE TIME OF FINAL ACCEPTANCE BY THE LANDSCAPE CONSULTANT. CONTRACTOR SHALL REMOVE ALL WRAPPING AT THE END OF GUARANTEE PERIOD OR SOONER PER PROJECT LANDSCAPE
- 7. BACKFILL MIXTURE TO BE SPECIFIED BASED UPON SOIL TEST AND CULTURAL EQUIREMENTS OF PLANT.
- 8. PRUNE DAMAGED AND CONFLICTING BRANCHES MAINTAINING NORMAL TREE SHAPE, NEVER CUT CENTRAL TRUNK OR LEADER.

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BJ's WHOLESALE CLUB

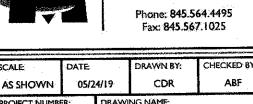
GDPBJ, LLC

SECTION 97 BLOCK 2 LOTS 27.32, 44, 45 & 46.2

TOWN OF NEWBURGH ORANGE COUNTY **NEW YORK STATE**

NEW WINDSOR OFFICE

555 Hudson Valley Avenue
Suite 101 New Windsor, NY 12553



CONSTRUCTION DETAILS

14 of 14