

PROPERTY OWNERS WITHIN 200' OF SITE

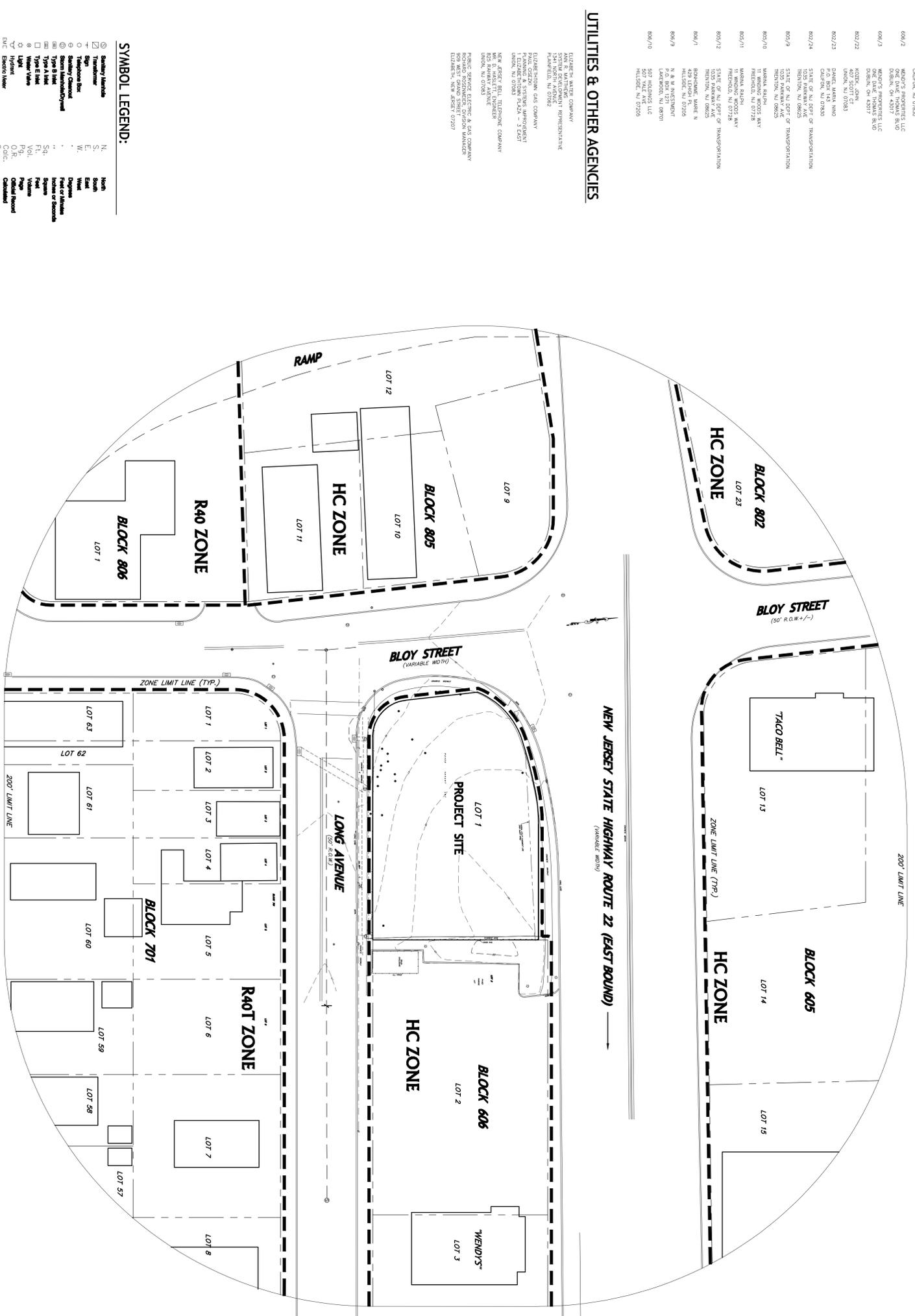
BLOCK/LOT	OWNERS NAME & ADDRESS	1 of 7	LOCATION MAP
666/11	FAVORABLE PROPERTIES LIMITED LIABILITY HELSBERG, NJ 07033	2 of 7	BOUNDARY & TOPOGRAPHIC SURVEY
666/12	CHANG'S REALTY LLC HELSBERG, NJ 07033	3 of 7	SITE PLAN
666/13	HELSBERG ROUTE 22, LLC 31700 N.W. 20TH AVENUE HELSBERG, NJ 07033	4 of 7	SOIL EROSION & SEDIMENT CONTROL PLAN
666/14	HELSBERG ROUTE 22, LLC P.O. BOX 145 CALIFORNIA, NJ 07830	5 of 7	LANDSCAPE PLAN
666/15	P.O. BOX 142 LLC CALIFORNIA, NJ 07830	6 of 7	LANDSCAPE PLAN
666/16	MONROE PROPERTIES LLC DELAWARE, NJ 08040	7 of 7	CONSTRUCTION DETAILS
666/17	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/18	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/19	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/20	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/21	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/22	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/23	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/24	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/25	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/26	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/27	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/28	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
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666/42	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
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666/46	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/47	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/48	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/49	MONROE PROPERTIES LLC DELAWARE, NJ 08040		
666/50	MONROE PROPERTIES LLC DELAWARE, NJ 08040		

PRELIMINARY & FINAL SITE PLAN

440 N.J.S.H. ROUTE 22
BLOCK 606 LOT 1
TOWNSHIP OF HILLSIDE UNION COUNTY NEW JERSEY

DRAWING LIST

NO.	DESCRIPTION
1 of 7	LOCATION MAP
2 of 7	BOUNDARY & TOPOGRAPHIC SURVEY
3 of 7	SITE PLAN
4 of 7	SOIL EROSION & SEDIMENT CONTROL PLAN
5 of 7	LANDSCAPE PLAN
6 of 7	LANDSCAPE PLAN
7 of 7	CONSTRUCTION DETAILS



OWNER/APPLICANT
DAB ASSOCIATES, INC.
672 US ROUTE 202/206 NORTH, BLDG. 3
BRIDGEWATER, NJ 08807
ATTN.: SURVIVOR DAB
PH: 908-229-3624

DESIGNED BY: DAB
DRAWN BY: SMT
CHECKED BY: DAB

DATE: 8/22/22

SCALE: 1" = 30'

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

KEY MAP
SCALE: 1"=200'+/-

ZONE DATA
HC: HIGHWAY COMMERCIAL ZONE
BLOCK 606 LOT 1
EXISTING USE: VACANT LOT, PREVIOUSLY GULF GAS STATION & FOOD MART
PROPOSED USE: MEDICAL USE
TOTAL TRACT AREA = 11,310 S.F. or 0.2596 ACRES
AS SHOWN ON THE TOWNSHIP OF HILLSIDE TAX MAP SHEET #6
AREA AND YARD RESTRICTIONS

DESCRIPTION	REQUIRED / ALLOWED	EXISTING	PROPOSED
MIN. LOT AREA	10,000 S.F.	11,310 S.F.	11,310 S.F.
MIN. LOT WIDTH	100 FT.	87.38 FT.*	87.38 FT.*
MIN. LOT FRONTAGE	100 FT.	87.38 FT.*	87.38 FT.*
MIN. FRONT YARD SETBACK	50 FT.	N/A	N/A
N.J.S.H. ROUTE 22 BLOY ST.			
LONG AVE.			
MIN. SIDE YARD SETBACK	5 FT.	N/A	5.19 FT.**
TOTAL BOTH SIDE YARDS	10 FT.	N/A	18.63 FT.**
MIN. REAR YARD SETBACK	40%	N/A	49.90 FT.**
MAX. BUILDING COVERAGE	80%	N/A	5.10 FT.
MAX. IMPERVIOUS LOT COVERAGE	98.72%	N/A	30.7%
MAX. FLOOR AREA RATIO	0.35	N/A	82%*
MAX. BLDG. HEIGHT	5 STORIES/ 55 FT.	N/A	0.31
			1 STORY 22 FT.

PARKING CALCULATION:
1 SPACE/200 S.F. = 3470 S.F./200 S.F. = 11.6 SPACES REQUIRED
PROPOSED PARKING = 12 SPACES

DESIGN WAIVER:
1. 9'x20' PARKING SPACE REQUIRED, 9'x18' PROPOSED
HOURS OF OPERATION ARE: 8:00AM - 8:00PM MONDAY THRU FRIDAY, 8:00AM - 5:00PM SATURDAY

BUILDING SIGNAGE:
FRONT FACADE AREA (LONG AVENUE) = 2,210 S.F.
ALLOWED 7% FACADE = 154.7 S.F., PROPOSED 206 S.F. OR 9.32% VARIANCE REQUIRED
PROPOSED 3 SIGNS - FOR A TOTAL OF 206 S.F.
1 ON LONG AVENUE FACADE
1 ON US RT. 22 FACADE
1 ON BLOY STREET FACADE

APPROVED BY THE HILLSIDE TOWNSHIP BOARD OF ADJUSTMENT

DATE: 8/22/22

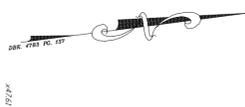


UTILITIES & OTHER AGENCIES

- ELZBER IN WATER COMPANY
- SYSTEM DEVELOPMENT REPRESENTATIVE
- PLUMBING, NJ 07882
- ELIZABETH/ION GAS COMPANY
- PALM OCEAN
- 1 ELIZABETH/ION PLAZA - 3 EXIST
- IRVING, NJ 07830
- NEW JERSEY ELEC. TRANSMISSION COMPANY
- 825 BRADLEY AVENUE
- IRVING, NJ 07830
- ROCKING HILLS ENGINEERING, INC. & COMPANY
- 809 WEST GRAND STREET
- IRVING, NJ 07830

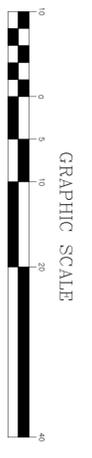
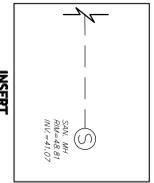
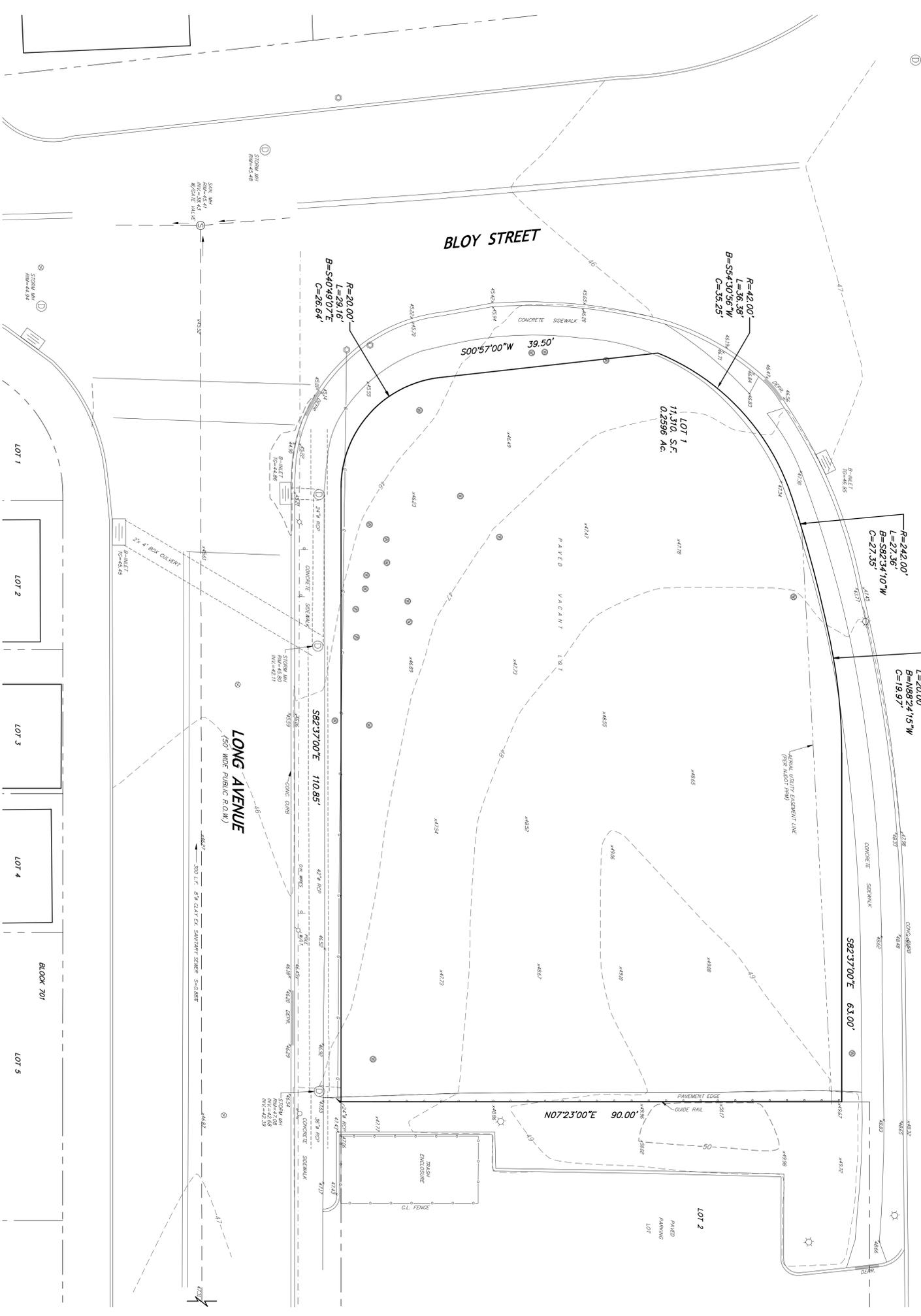
SYMBOL LEGEND:

Symbol	Description	Symbol	Description
⊗	Boundary	N	North
⊙	Topography	S	South
⊚	Topography	E	East
⊛	Topography	W	West
⊜	Topography	NE	North East
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BENCHMARK
EAST, STORM, MM,
NAVD83 DATUM
BM#4742

NEW JERSEY STATE HIGHWAY ROUTE 22 (EAST BOUND)
(VARIABLE WIDTH PUBLIC R.O.W.)



SYMBOL LEGEND:

⊙	Sanitary Manhole	N	North
⊙	Transformer	S	South
⊙	Water Valve	E	East
⊙	Storm Manhole	W	West
⊙	Sanitary Cleanout	SE	South East
⊙	Storm Manhole/Cleanout	SW	South West
⊙	Type B Sink	NE	North East
⊙	Type C Sink	NW	North West
⊙	Type D Sink	SE	South East
⊙	Water Valve	SW	South West
⊙	Light	NE	North East
⊙	Hydrant	NW	North West
⊙	Gas Meter	SE	South East
⊙	Gas Valve	SW	South West
⊙	Utility Pole	NE	North East
⊙	Ground Light	NW	North West
⊙	SHD Box	SE	South East
⊙	SHD Box	SW	South West
⊙	Monotony Well	NE	North East
⊙	Gas Valve	NW	North West
⊙	Circular Well	SE	South East
⊙	Circular Well	SW	South West

- MISCELLANEOUS NOTES:**
- ONLY COPIES FROM THE ORIGINAL MAP MARKED WITH AN ORIGINAL LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID.
 - SIGNATURE AND EMBOSSED SEAL CODE OF PRACTICE THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE ADOPTED BY THE N.J. STATE BOARD OF SURVEYING AND LAND USE ENGINEERING SHALL BE PLACED IN THE MIDDLE OF THE MAP. THE SIGNATURE AND EMBOSSED SEAL SHALL ONLY BE FOR THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF SUBSEQUENT OWNERS.
 - UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS ILLEGAL AND PUNISHABLE BY LAW.
 - PROPERTY IS SUBJECT TO DOCUMENTS OF RECORD.
 - BY CONTRACTUAL ARRANGEMENT, THIS SURVEY HAS BEEN PERFORMED AND PREPARED WITHOUT THE BENEFIT OF A TITLE POLICY.
 - OFFSETS SHOWN HEREON ARE NOT TO BE USED AS A BASIS FOR THE CONSTRUCTION OF FENCES OR ANY OTHER PERMANENT STRUCTURES, AND ARE NOT TO BE USED TO ESTABLISH BOUNDARY LINES.
 - THIS SURVEY SHALL NOT BE UTILIZED OR INCLUDED AS DOCUMENTATION FOR EASEMENTS, EASEMENTS AND/OR ERECTING A SURVEY MONUMENT AND/OR AFFIDAVIT OF TITLE.
 - BY CONTRACTUAL ARRANGEMENT, WETLANDS, ON OR ADJACENT TO THE SUBJECT PROPERTY HAVE NOT BEEN INVESTIGATED.
 - UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE OF ABOVE-GROUND APPURTENANCES ONLY, AND ARE APPROXIMATE, INCOMPLETE AND SUBJECT TO THE FINDINGS OF FURTHER FIELD AND SUBSURFACE INVESTIGATIONS.
 - TOPOGRAPHIC INFORMATION DEPICTED ON THIS PLAN REPRESENTS NAVD83 DATUM.
- SURVEY REFERENCES:**
- MAP ENTITLED "NEW JERSEY DEPARTMENT OF TRANSPORTATION ROUTE 22 (EAST BOUND) SURVEY OF THE PUBLIC RIGHT-OF-WAY AND ADJACENT PRIVATE LOTS, PARCELS, R33A & R34B, TOWNSHIP OF HILLSIDE, COUNTY OF UNION", DATED MAY 2015, PREPARED BY N.J.D.O.T.

NOTICE
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF D.A.S. ENGINEERS, SURVEYORS, PLANNERS & ENVIRONMENTALISTS, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF D.A.S. ENGINEERS, SURVEYORS, PLANNERS & ENVIRONMENTALISTS, LLC.
DATE: 12/23/22
REVIEWED PER: TOWNSHIP COMMENTS: []
BY: []

D.A.S.
DAVID A. STIRES ASSOCIATES, LLC
ENGINEERS - SURVEYORS - PLANNERS - ENVIRONMENTALISTS

678 US HWY 202, 206 N. SUITE 6
BRIDGEWATER, N.J. 08807
PHONE: (908)283-7000
WWW.DASSTIRES.COM

GARY V. MARMO
PROFESSIONAL LAND SURVEYOR
N.J. LICENSE NO. 37599
DATE: 8/22/22

DESIGNED BY: DAS
DRAWN BY: SM
CHECKED BY: DAS
SCALE: 1"=10'

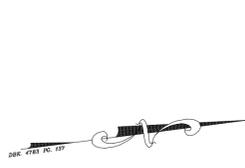
LOCATION & TOPOGRAPHIC SURVEY
"440 N.J.S.H. ROUTE 22"
TAX BLOCK 606 LOT 1
TOWNSHIP OF HILLSIDE UNION COUNTY NEW JERSEY

PROJECT NO. 21088
SHEET NUMBER 2 OF 7

NEW JERSEY STATE HIGHWAY ROUTE 22 (EAST BOUND)

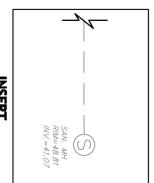
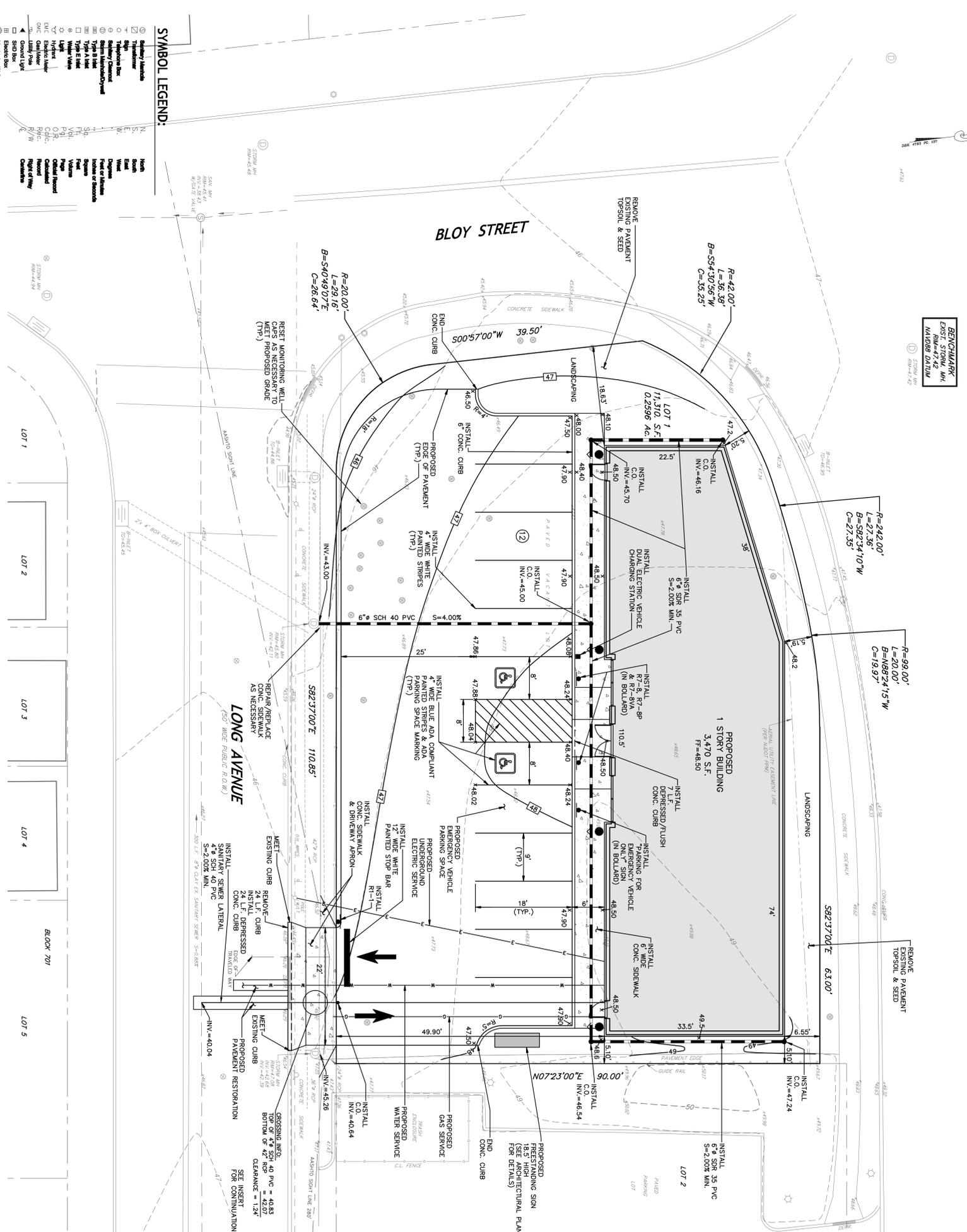
(VARIABLE WIDTH PUBLIC R.O.W.)

BENCHMARK
EXST. STORM, MM
NAD83 DATUM
ELEVATION: 41.42'



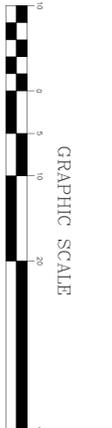
- #### FIRE PREVENTION NOTES
- CHAPTER 14 OF THE INTERNATIONAL FIRE CODE N.J. EDITION TITLED "THE SAFETY DURING CONSTRUCTION AND DEMOLITION" SHALL BE REVIEWED AND ADHERED TO BY THE OWNER, APPLICANT/OWNER TO ENSURE THAT THE PROVISIONS OF CHAPTER 14 ARE MET THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT.
 - ONE KNOX BOX SHALL BE INSTALLED ON THE EXTERIOR OF THE BUILDING. THE LOCATION FOR THE KNOX BOX SHALL BE PROVIDED FOR EACH KNOX BOX.

- #### GENERAL NOTES
- PER TO THE SCOPE OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING SITE AND DIMENSIONS OF ALL UNDERGROUND UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL CALL 800-4-A-UTILITY PRIOR TO THE START OF CONSTRUCTION.
 - ANY DISCREPANCIES IN REFERENCED COORDINATES, ELEVATIONS, EXISTING UTILITIES, OR OTHER INFORMATION SHALL BE REPORTED TO THE OWNER PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES.
 - ALL UTILITIES SHALL BE PROTECTED AND INSTALLED IN ACCORDANCE WITH THE MOST CURRENT CONSTRUCTION STANDARDS OF THE TOWNSHIP OF HILLSIDE.
 - IN INSTANCES WHERE THE TOWNSHIP SPECIFICATIONS PROVIDE NO DETAILED SPECIFICATION, THE MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET AND EXCEED THE REQUIREMENTS OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION FOR THE NEW JERSEY DEPARTMENT OF TRANSPORTATION.
 - THE SITE IS CURRENTLY SERVED BY SANITARY SEWER, WATER, GAS, ELECTRIC & TELEPHONE.
 - A KNOX BOX SHALL BE INSTALLED AT THE PROPERTY SUBJECT TO THE REVIEW AND APPROVAL OF THE TOWNSHIP FIRE CODE OFFICIAL.
 - ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED UNDERGROUND.
 - TOTAL LAND DISTURBANCE = 12,965 SF. OR 0.28 AC.
 - CONTRACTOR TO COMPLETE SCOURING AND GRASS WITH APPROPRIATE SEEDING AND MULCHING.
 - THE SITE IMPROVEMENTS ARE NOT LOCATED WITHIN ANY PROPOSED PRESERVED WETLAND OR WETLAND TRANSITION AREAS. THE SITE ALSO DOES NOT HAVE ANY STEEP SLOPES THAT WILL BE EXTENDED INTO THE SITE.
 - THE STORMWATER RUNOFF WILL NOT BE IMPACTED BY THE PROPOSED DEVELOPMENT.
 - SOIL WASTE AND RECYCLING SHALL NOT BE DISPOSED IN ANY OF THE FOLLOWING AREAS: 1. ANY OPEN SPACE OR FIELD. 2. ANY OPEN SPACE OR FIELD. 3. ANY OPEN SPACE OR FIELD. 4. ANY OPEN SPACE OR FIELD.
 - ALL STORAGE SHALL COMPLY WITH THE ORDINANCE.
 - ANY UTILS SHALL BE REMOVED IN ACCORDANCE WITH REGULATIONS GOVERNING SAME.
 - PROPOSED BUILDING DIMENSIONS TO BE VERIFIED WITH ARCHITECT PRIOR TO CONSTRUCTION.
 - REDUCTION OF IMPERVIOUS COVERAGE EQUALS 1,888 SF.
 - ALL WATER LINES AND SANITARY SEWER LINES SHALL BE HORIZONTALLY SEPARATED BY A MINIMUM OF 18" WITH THE WATER LINE ABOVE THE SANITARY SEWER LINE.
 - ALL WORK SHALL BE IN COMPLIANCE WITH THE NEW JERSEY STANDARDS.
 - THE SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED.
 - THE PROJECT IS A MAJOR RECONSTRUCTION PROJECT. THE AREA OF IMPERVIOUS IS LESS THAN ONE ACRE AND NET NEW IMPERVIOUS COVERAGE IS LESS THAN 1/4 ACRE.
 - THE CARPING OF EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH THE GOVERNING PRIOR TO THE CARPING OF ANY UTILITY.
 - MONITORING WELLS TO BE RESET TO PROPOSED GRADES.
 - LOADING AND UNLOADING FOR SITE IS ANTICIPATED TO BE VIA SMALL BOX TRUCKS/VANS. TRUCKS AND UNLOADING WILL BE AT OFF HOURS AT FRONT OF BUILDING.
 - BUILDING ENVELOPES CAN'T BE SHOWN AS THEY WOULD BE IRRATIONAL.
 - ALL TRAFFIC SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD.
 - ANY EXISTING CURBS OR OTHER SITE IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE BOARD ENGINEER.
 - PRIOR TO SANITARY SEWER LATERAL CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL INVERTS WITH ARCHITECT AND ENGINEER.
 - THE WATER METER AND BACKFLOW PROTECTOR SHALL BE WITHIN THE PROPOSED BUILDING.



ROOF DRAIN CALCULATION:
 $Q_{24} = (0.99)(6)(0.07) = 0.53 \text{ cfs}$
 $Q_{75} \text{ SFR } 35 \text{ PVC } @ 2.00\% \text{ SLOPE} = 0.90 \text{ cfs}$

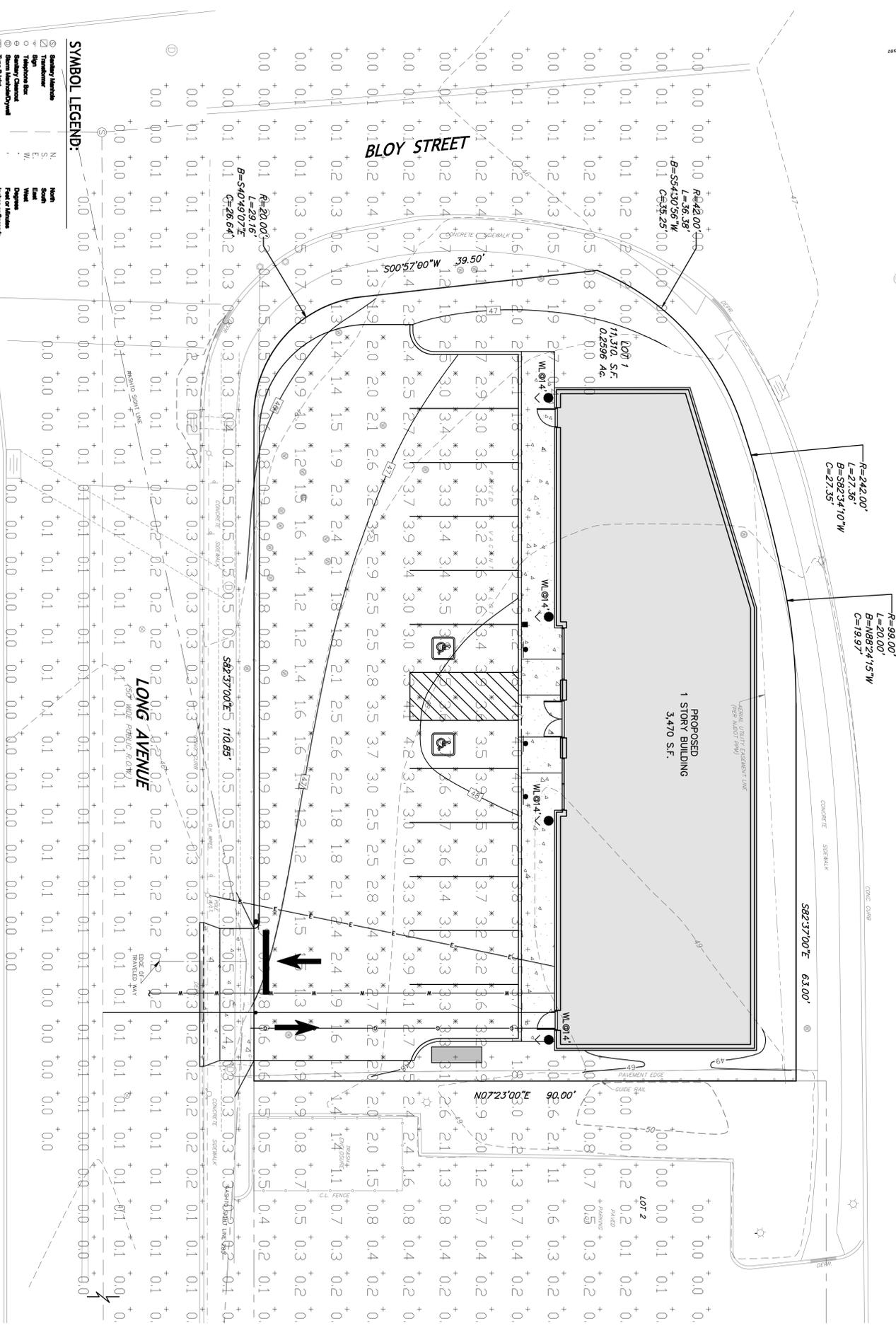
DRAINAGE CALCULATION (ASSUME MIN. TC 6 MIN.):
 EXISTING: $Q_{0.1} = (0.95)(9)(0.25) = 2.22 \text{ cfs}$
 PROPOSED: $Q_{0.1} = (0.51)(9)(0.63) = 0.23 \text{ cfs}$
 $Q_{0.1} = (0.95)(9)(0.25) = 2.22 \text{ cfs}$
 $Q_{0.1} = (0.95)(9)(0.25) = 2.22 \text{ cfs}$
 NET REDUCTION IN RUNOFF OF 0.19 cfs DURING 100 YEAR STORM EVENT
 NET REDUCTION IN IMPERVIOUS COVERAGE OF 1,888 SF.



<p>NOTICE: THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF DAS AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DAS. THIS DRAWING IS THE PROPERTY OF DAS AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DAS.</p>		
DATE: 4/5/23	REVISION: REVISED PER TOWNSHIP COMMENTS	SHEET: 21088
DATE: 12/23/22	REVISION: REVISED PER TOWNSHIP COMMENTS	SHEET: 3 OF 7
<p>DAVID A. STIRES ASSOCIATES, LLC ENGINEERS - SURVEYORS - PLANNERS - ENVIRONMENTALISTS</p>		
<p>678 US HWY 202/204 N. SUITE 6 BRIDGEWATER, N.J. 08807 PHONE: (908)252-7000 WWW.DASSTIRES.COM</p>		
<p>DAVID A. STIRES PROFESSIONAL ENGINEER N.J. LICENSE NO. 34814 DATE: 8/22/22</p>		
<p>DESIGNED BY: DAS DRAWN BY: SM CHECKED BY: DAS</p>		
<p>PROJECT NO.: 21088 SHEET NUMBER: 3 OF 7 SITE PLAN: 440 N.J.S.H. ROUTE 22 TAX BLOCK 606 LOT 1 TOWNSHIP OF HILLSIDE UNION COUNTY NEW JERSEY</p>		

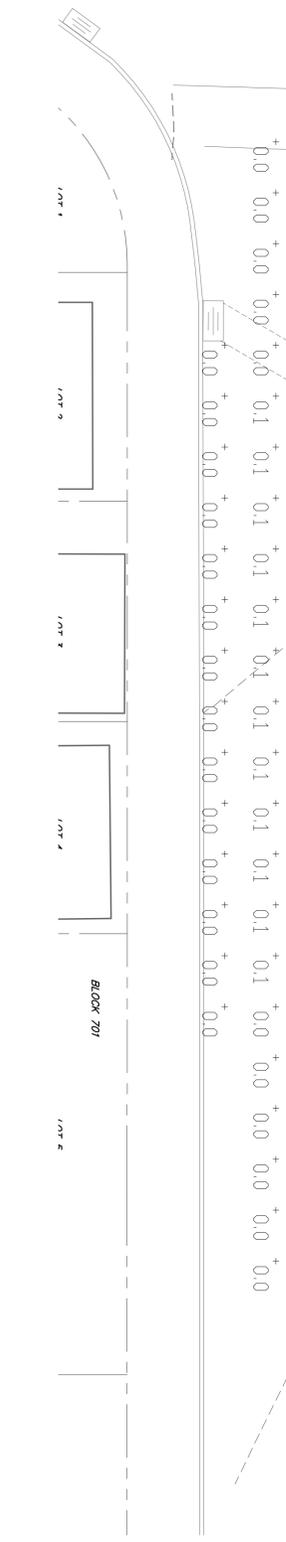
NEW JERSEY STATE HIGHWAY ROUTE 22 (EAST BOUND)
(VARIABLE WIDTH PUBLIC ROW)

BENCHMARK
ENST. STORM, MH
MADRS 211M



SYMBOL LEGEND:

- Standard Manhole
- Storm Manhole
- Sanitary Manhole
- Storm Manhole/Drywell
- Type B Manhole
- Type C Manhole
- Water Valve
- Light
- Hydrocraze
- D.C. Gas Meter
- U.T. Utility Pole
- Ground Light
- S.D. Box
- Monitoring Well
- Data Well
- Circular Manhole



NOTICE

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4/3/23	REVISED PER TOWNSHIP COMMENTS	SMT
12/23/22	REVISED PER TOWNSHIP COMMENTS	SMT
DATE	REVISION	BY

DAVID A. STIRES ASSOCIATES, LLC
ENGINEERS - SURVEYORS - PLANNERS - ENVIRONMENTALISTS

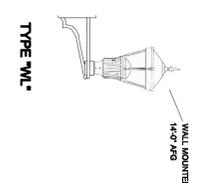
678 US HWY 202/206 N, SUITE 6
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WWW.DASTIRES.COM

DAVID A. STIRES
PROFESSIONAL ENGINEER
N.J. LICENSE NO. 34814
DATE: 8/22/22

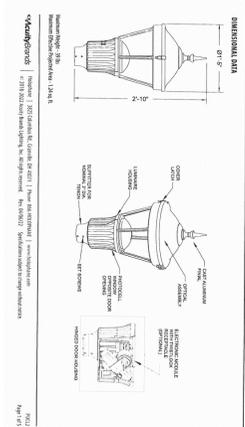
DESIGNED BY: DAS
DRAWN BY: SMT
CHECKED BY: DAS

440 N.J.S.H. ROUTE 22
TAX BLOCK 606 LOT 1
TOWNSHIP OF HILLSIDE UNION COUNTY NEW JERSEY

PROJECT NO. 21088
SHEET NUMBER 5 OF 7



LIGHT DETAILS

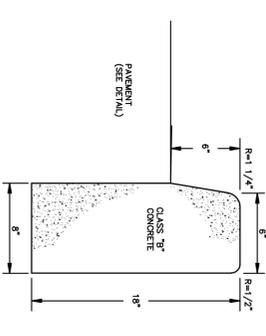


Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING SUMMARY	X	2.4 FC	4.2 FC	0.6 FC	7.0I	4.0I
SPLITL SUMMARY		0.5 FC	4.2 FC	0.0 FC	N/A	N/A

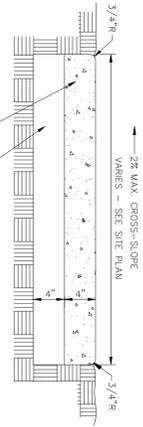
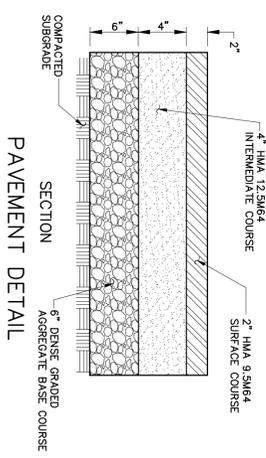
Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description
●	WL	4	Hobasphere	PICL2 P30 40R XX FCA	Utility Post FCD LED 2' P30 4000K Type 4 IP65



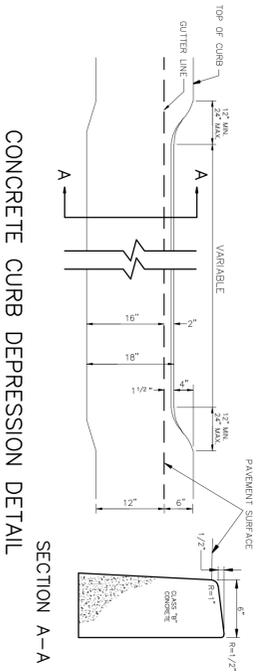
CONCRETE CURB DETAIL

THE SURGRADE IS TO BE FIRM AND UNWEARING AS DETERMINED BY A PROCTOR-ROLL TEST PERFORMED WITH A FULLY LOADED TRAILER TANGLED DUMP TRUCK WITH A MINIMUM CERTIFIED WEIGHT OF 10,000 LBS. THE SURGRADE SHALL BE CONSTRUCTED UNDER THE SUPERVISION OF THE TOWNSHIP ENGINEER OR HIS REPRESENTATIVE.

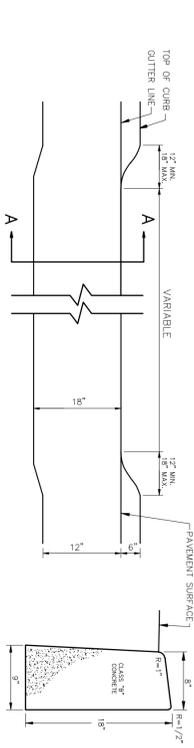


- NOTES:
1. 1/2" THICK PERFORMED BITUMINOUS CELLULAR JOINT FILERS TO BE PLACED AT TWENTY(20) FEET INTERVALS.
 2. FORMED JOINTS SHALL BE CUT INTO THE CONCRETE SIDEWALK BETWEEN THE EXPANSION JOINTS AT EQUAL INTERVALS NOT EXCEEDING THE WIDTH OF THE SIDEWALK.
 3. SIDEWALK SLOPE NOT TO EXCEED 1:12.

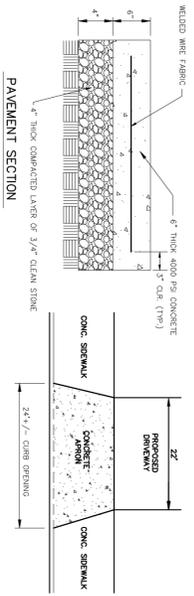
CONCRETE SIDEWALK DETAIL



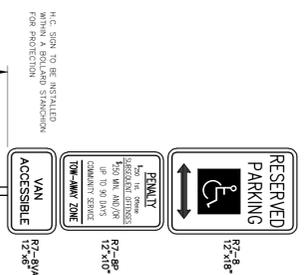
CONCRETE CURB DEPRESSION DETAIL



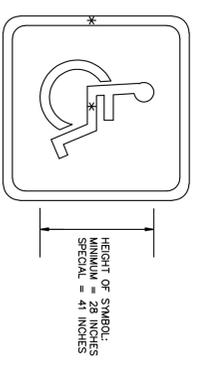
CONCRETE CURB DEPRESSION DETAIL - FLUSH



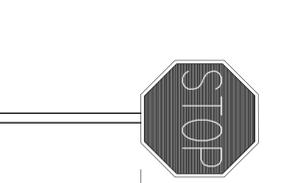
CONCRETE APRON DETAIL



SIGN DETAIL

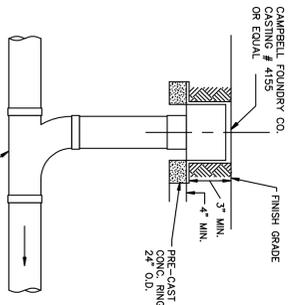


HANDICAP SPACE PAVEMENT MARKING

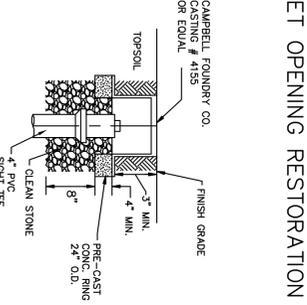


STOP SIGN DETAIL

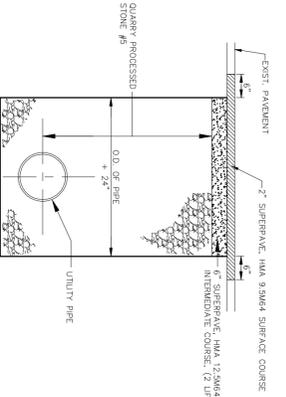
NOTE: BREAKAWAY MOUNTING HARDWARE SHALL BE USED



STORM SEWER CLEANOUT



SANITARY SEWER CLEANOUT



TRENCH DETAIL

STREET OPENING RESTORATION

Pedestal Specifications

ITEM	DESCRIPTION	QUANTITY	UNIT
1	Rectangle Pedestal - 12 inch high, 12 inch wide, 12 inch deep	1	EA
2	Triangle Pedestal - 12 inch high, 12 inch wide, 12 inch deep	1	EA
3	Triangle Pedestal - 12 inch high, 12 inch wide, 12 inch deep	1	EA



ELECTRIC VEHICLE DUAL CHARGING STATION (OR APPROVED EQUIV)

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4/3/23	REVISED PER TOWNSHIP COMMENTS	SMT
12/23/22	REVISED PER TOWNSHIP COMMENTS	SMT

DAVID A. STIRES ASSOCIATES, LLC
ENGINEERS - SURVEYORS - PLANNERS - ENVIRONMENTALISTS

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DAVID A. STIRES
PROFESSIONAL ENGINEER
N.J. LICENSE NO. 34814
DATE: 8/22/22

DESIGNED BY: DAS
DRAWN BY: SMT
CHECKED BY: DAS
SCALE: NONE

CONSTRUCTION DETAILS
PROJECT NO. 21088
SHEET NUMBER 7 OF 7
440 N.J.S.H. ROUTE 22
TAX BLOCK 606 LOT 1
TOWNSHIP OF HILLSIDE UNION COUNTY NEW JERSEY