

PRELIMINARY AND FINAL SITE PLAN

FOR

MARLBORO SCHOOL DISTRICT SOLAR INSTALLATION

FRANK DUGAN ELEMENTARY - BLOCK 339, LOT 90

FRANK DEFINO CENTRAL ELEMENTARY SCHOOL - BLOCK 206, LOT 28

TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY



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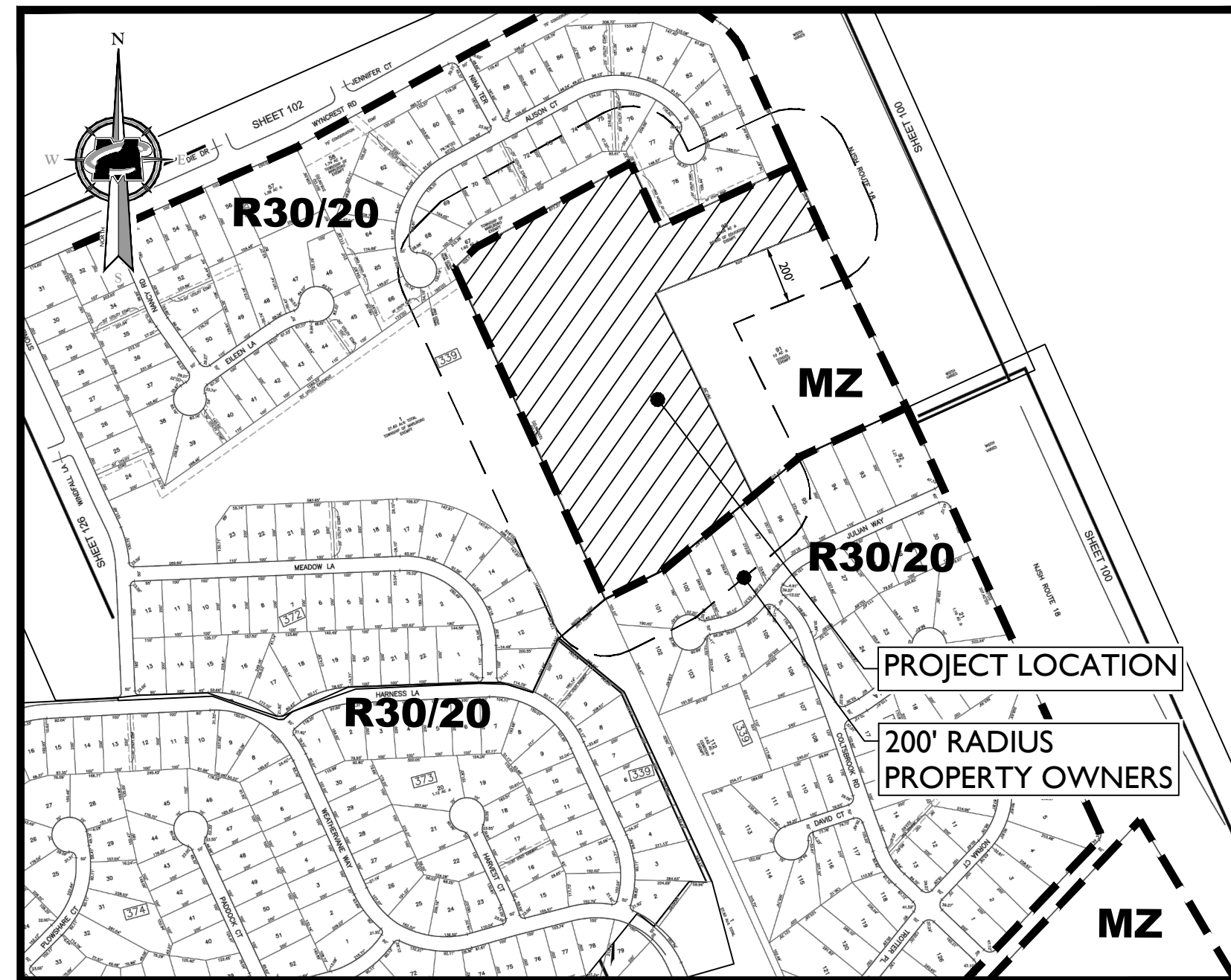
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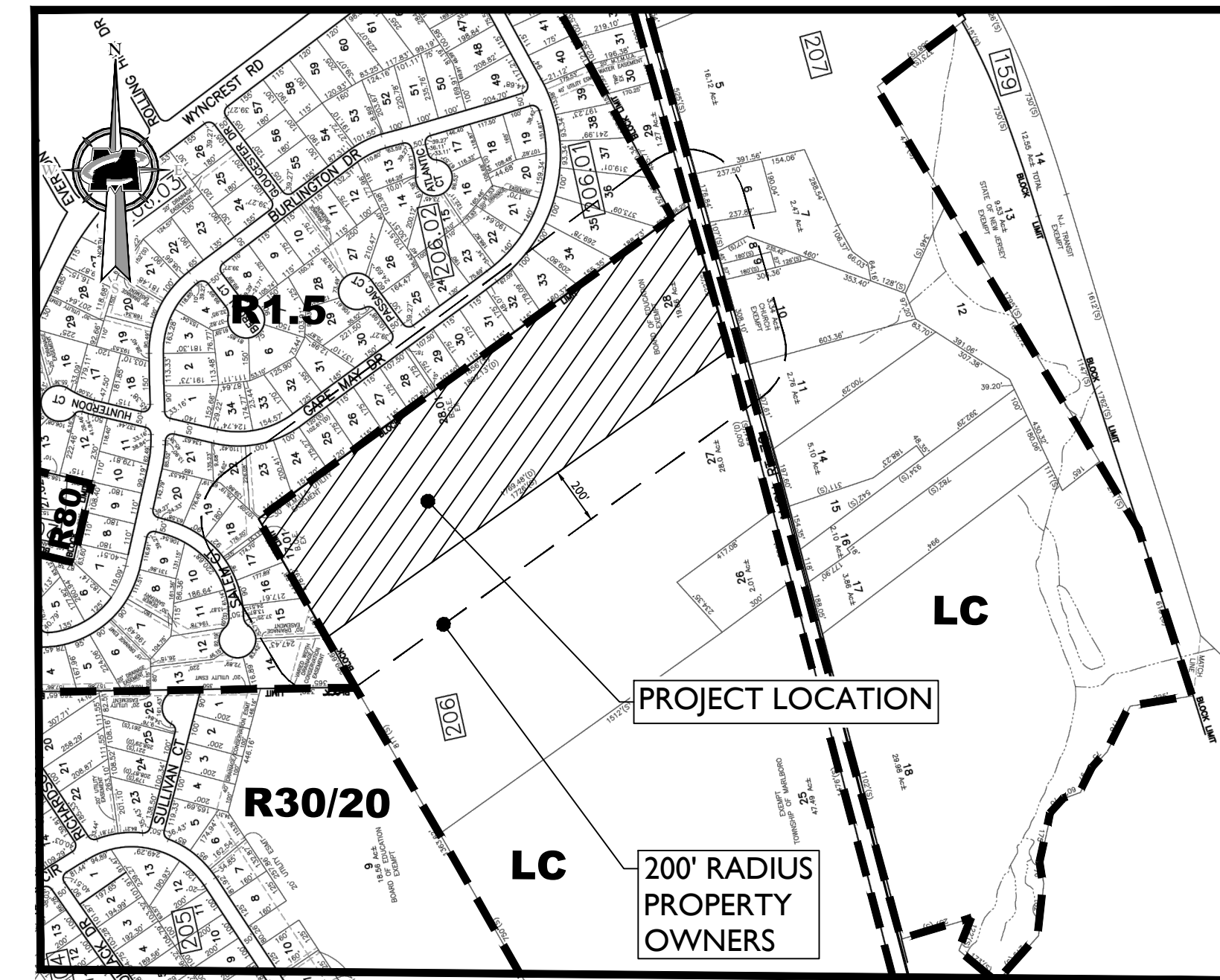
**TAX MAP/ZONING MAP -
FRANK DUGAN ELEMENTARY**

SOURCE: MARLBORO TAX MAP / MARLBORO ZONING MAP (SCALE ±1:500)



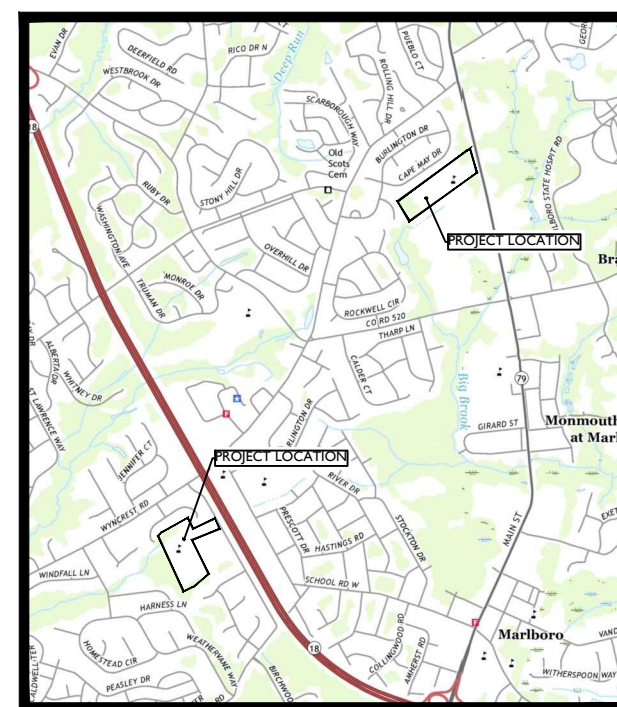
AERIAL MAP

SOURCE: NJGIN AERIAL (SCALE: ±1:1500)



**TAX MAP/ZONING MAP -
FRANK DEFINO CENTRAL ELEMENTARY SCHOOL**

SOURCE: MARLBORO TAX MAP / MARLBORO ZONING MAP (SCALE ±1:500)



KEY MAP

SOURCE: U.S.G.S. QUADRANGLE MAP
MARLBORO, NJ - PANEL FREEHOLD & MARLBORO
(SCALE: ±1:4000)

	BULK REQUIREMENTS FOR: FRANK DUGAN ELEMENTARY BLOCK 339, LOT 90			BULK REQUIREMENTS FOR: FRANK DEFINO CENTRAL ELEMENTARY SCHOOL BLOCK 206, LOT 28		
	REQUIRED	EXISTING	PROPOSED	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA (SF)	217800	> 217,800	> 217,800	217800	> 217,800	> 217,800
MINIMUM LOT AREA (ACRE)	5	> 5	> 5	5	> 5	> 5
MINIMUM LOT FRONTAGE (FT)	75	> 75	> 75	75	> 75	> 75
MINIMUM LOT WIDTH (FT)	400	> 400	> 400	400	> 400	> 400
MINIMUM LOT DEPTH (FT)	500	> 500	> 500	500	> 500	> 500
MINIMUM BLDG YARD SETBACKS						
FRONT YARD (FT)	75	> 75	> 75	75	> 75	> 75
SIDE YARD (FT)	75	> 75	> 75	75	> 75	> 75
REAR YARD (FT)	75	>75	>75	75	>75	>75
MINIMUM ACCESSORY BLDG YARD SETBACKS						
FRONT YARD (FT)	100	> 100	> 100	100	> 100	100.00
SIDE YARD (FT)	40	> 40	60	40	> 40	115.00
REAR YARD (FT)	40	> 40	> 40	40	> 40	> 40
MAXIMUM BUILDING COVERAGE(%)	5.00%	< 5%	< 5%	5.00%	< 5%	< 5%
MAXIMUM BUILDING COVERAGE(SF)	42819	< 42,819	< 42,819	46522	< 42,819	< 42,819
MAXIMUM BUILDING COVERAGE(ACRE)	1	< 1	< 1	1	< 1	< 1
MAXIMUM BUILDING HEIGHT (FT)	40	< 40	< 40	40	< 40	< 40

OWNER/APPLICANT: EZENERGY SOLAR ENERGY SOLUTIONS
NAME: LOU IANNIELLO
ADDRESS: 1561 ROUTE 9 (LAKEWOOD ROAD) TOMS RIVER, NJ 08755
PHONE:

I HEREBY CERTIFY THAT I AM THE OWNER OF RECORD OF THE SITE HEREIN DEPICTED AND THAT I CONCUR WITH THE SUBMISSION.

OWNER _____ DATE _____

APPROVED BY THE PLANNING BOARD OF THE TOWNSHIP OF "ENTER NAME" AT THE REGULAR MEETING OF _____ DATE _____


CHAIRMAN _____ DATE _____

SECRETARY _____ DATE _____

ENGINEER _____ DATE _____

INDEX OF SHEETS		
SHT. No.	DESCRIPTION	LATEST REVISION
1	COVER SHEET	
2	GENERAL NOTES & LEGEND	
3 - 4	EXISTING CONDITIONS PLAN	
5 - 6	ARRAY LAYOUT PLAN	
7	CONSTRUCTION DETAILS	

REV.	DATE	DRAWN BY	DESCRIPTION



DEREK M. JORDAN
NEW JERSEY PROFESSIONAL
ENGINEER - LICENSE NUMBER: GE46968

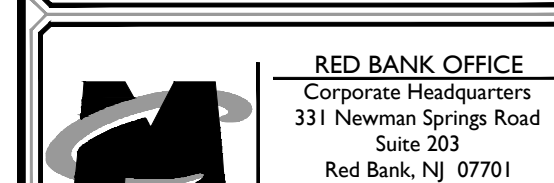
**PRELIMINARY AND
FINAL SITE PLAN**

FOR
MARLBORO SCHOOL DISTRICT
SOLAR INSTALLATION

FRANK DEFINO CENTRAL
ELEMENTARY SCHOOL
BLOCK 206, LOT 28

FRANK DUGAN
ELEMENTARY
BLOCK 339, LOT 90

TOWNSHIP OF MARLBORO
MONMOUTH COUNTY
NEW JERSEY



RED BANK OFFICE
Corporate Headquarters
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Suite 203
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Phone: 732.383.1950
Fax: 732.383.1984

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20001698A	C-CYBER		

COVER SHEET

SHEET NUMBER:
1 of 7

DEMOLITION NOTES:

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
 PARTIAL TOPOGRAPHICAL SURVEY PREPARED BY MASER CONSULTING, P.A. SIGNED BY ERIC V. WILDE PROFESSIONAL LAND SURVEYOR, NJ LICENSE NO. GS43279. DATED 05/28/2020.
- MASER CONSULTING IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE, AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO MASER CONSULTING IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
- THE CONTRACTOR TO PROVIDE AN ORDER/SCHEDULE OF DEMOLITION OPERATIONS TO BE PRESENTED TO THE OWNER FOR APPROVAL PRIOR TO COMMENCING DEMOLITION OPERATIONS.
- PRIOR TO STARTING ANY DEMOLITION, GENERAL CONTRACTOR IS RESPONSIBLE FOR/T/O:
 - ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATIONS SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
 - PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 - COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.

- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE (OR PROVINCE), FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND/OR OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.
- IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES OR CALL DAMAGE PROTECTION SYSTEMS FOR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.

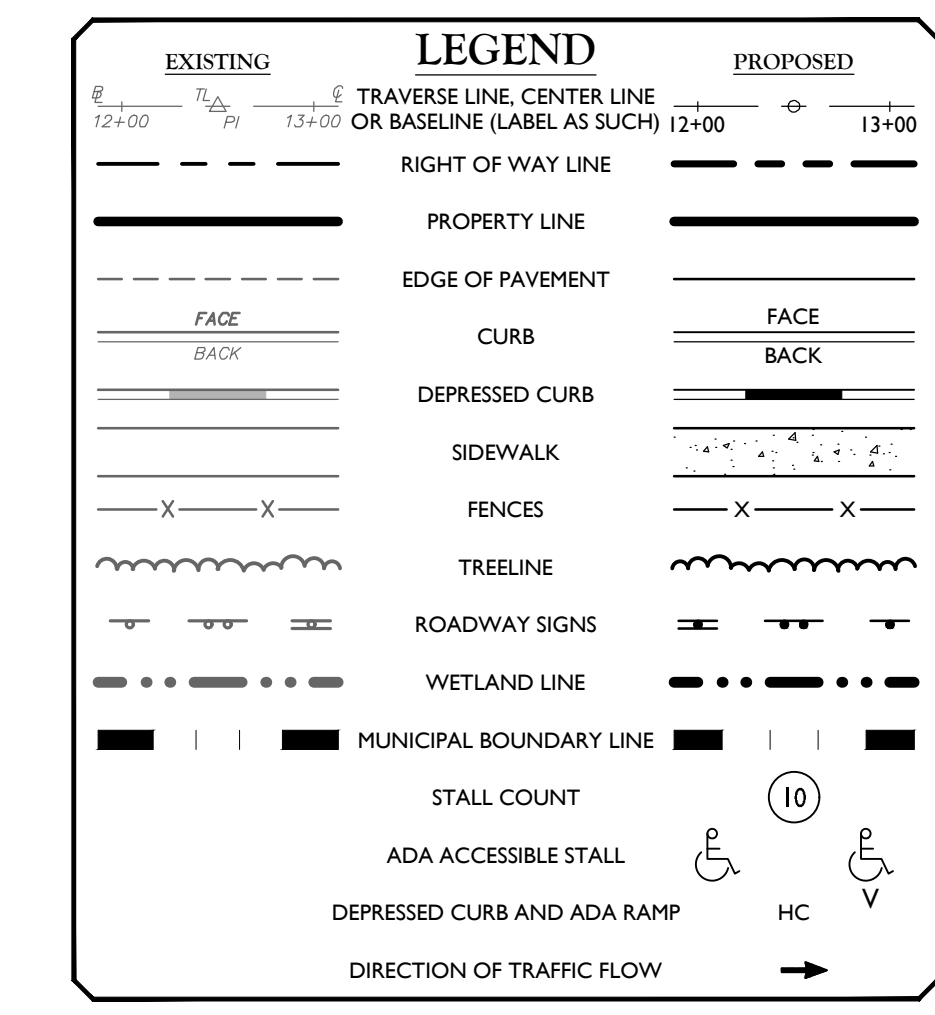
SITE NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH GOVERNING REGULATIONS AND AGENCIES.
- THERE SHALL BE NO ON-SITE BURIAL OF CONSTRUCTION MATERIALS, TREE BRANCHES, STUMPS, OR OTHER DELETERIOUS MATERIALS.
- MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
 - RESIDENTIAL SITE IMPROVEMENT STANDARDS (N.J.A.C. 5:21).
 - NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 2007; AS SUPPLEMENTED.
 - CURRENT PREVAILING MUNICIPAL, COUNTY, AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS.
 - CURRENT PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
- CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.

UTILITY NOTES:

- LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO MASER CONSULTING. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE PROJECT LIMITS SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO MASER CONSULTING.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY MASER CONSULTING IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY MASER CONSULTING SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE MASER CONSULTING WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.

2020/06/01 M:\Engineering\Site Plans\C-VER.dwg (0.0) 10:15 PM - KHAMPOURKA




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 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE46968

PRELIMINARY AND FINAL SITE PLAN
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 FRANK DEFINO CENTRAL ELEMENTARY SCHOOL
 BLOCK 206, LOT 28
 FRANK DUGAN ELEMENTARY
 BLOCK 339, LOT 90
 TOWNSHIP OF MARLBORO
 MONMOUTH COUNTY
 NEW JERSEY



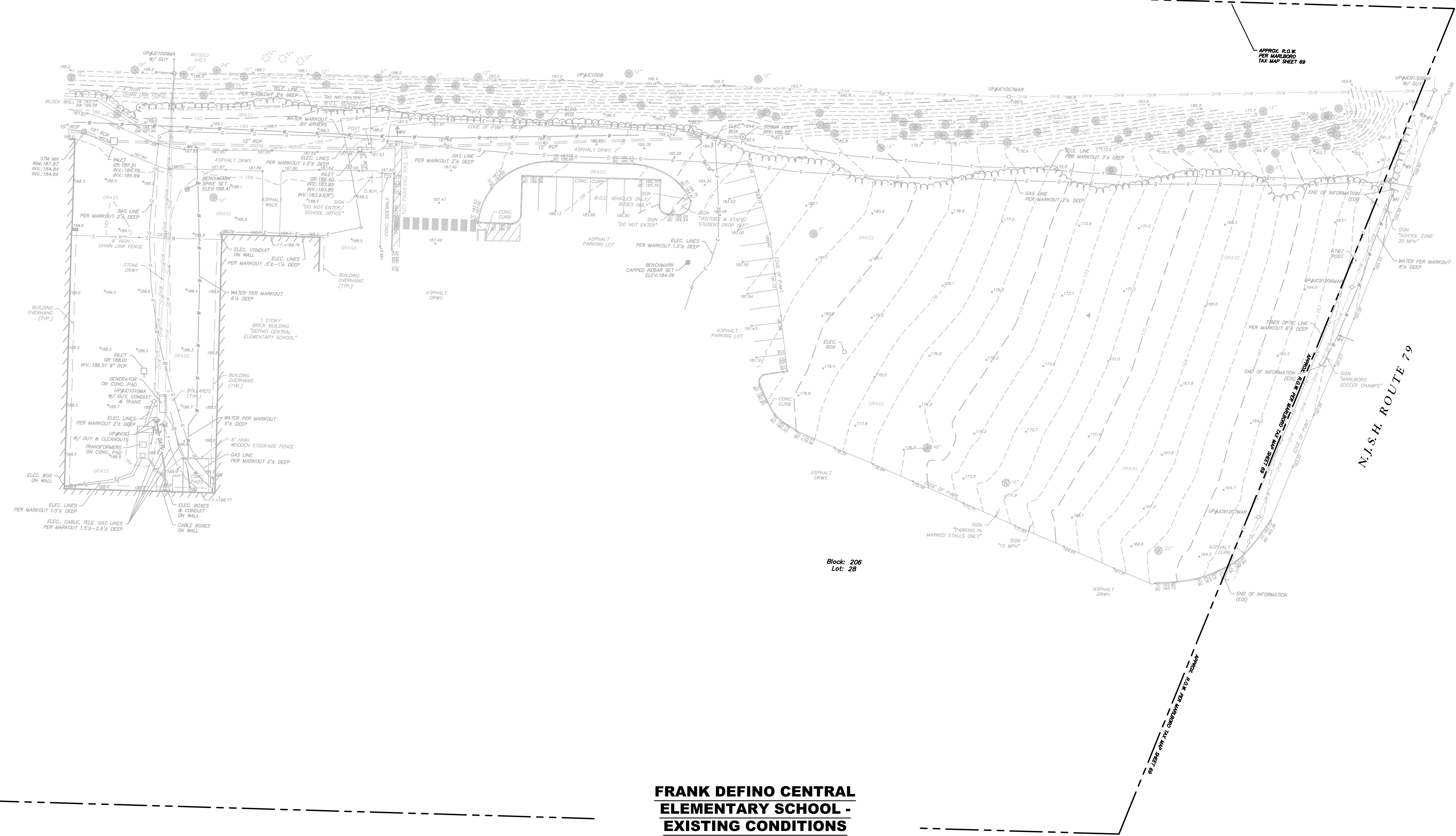
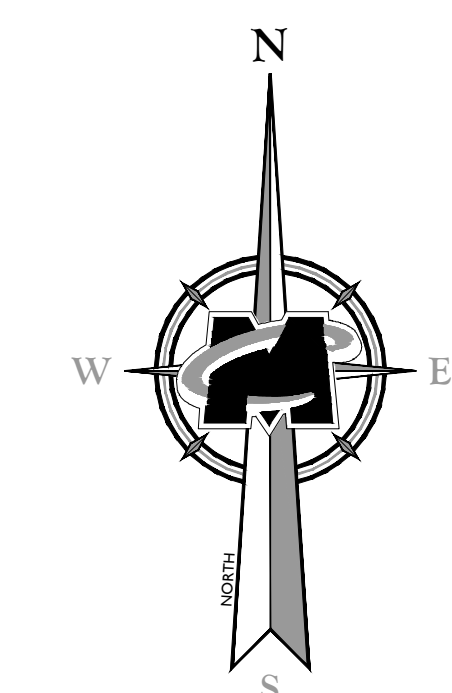
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SHEET TITLE:
GENERAL NOTES & LEGEND
 SHEET NUMBER:
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Block: 206
 Lot: 28

**FRANK DEFINO CENTRAL
 ELEMENTARY SCHOOL -
 EXISTING CONDITIONS**

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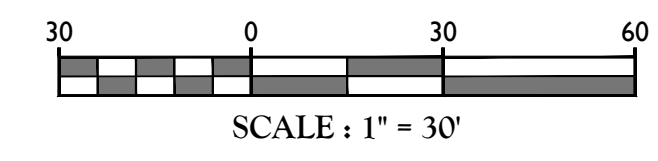
Derek M. Jordan
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: G646968

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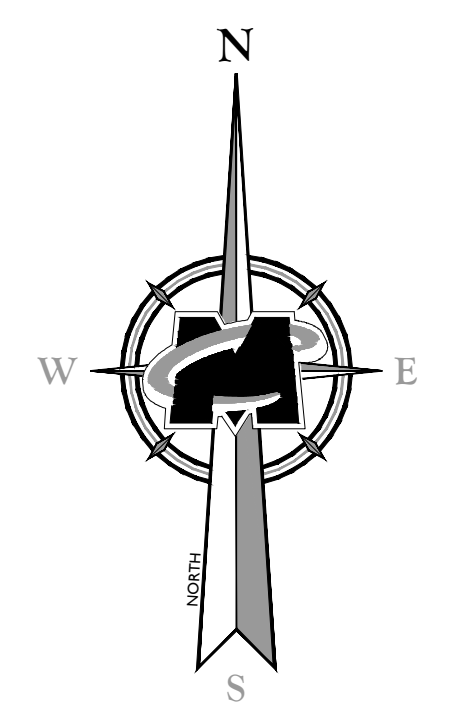
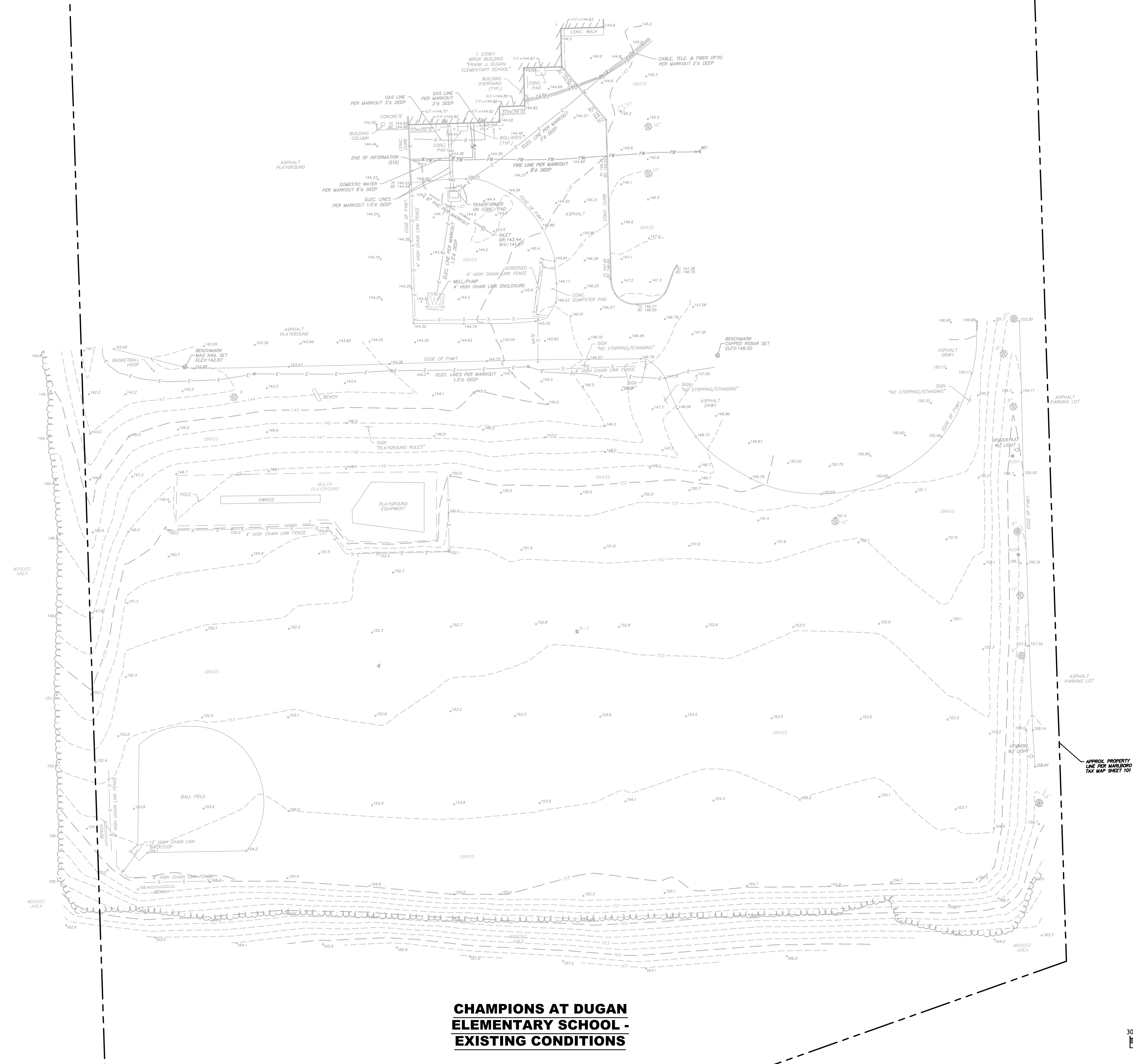
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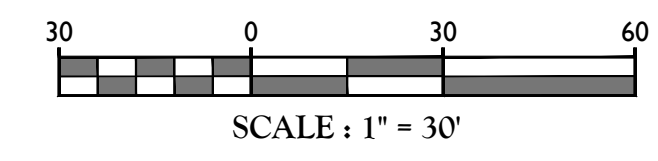
D.M.J.
DEREK M. JORDAN
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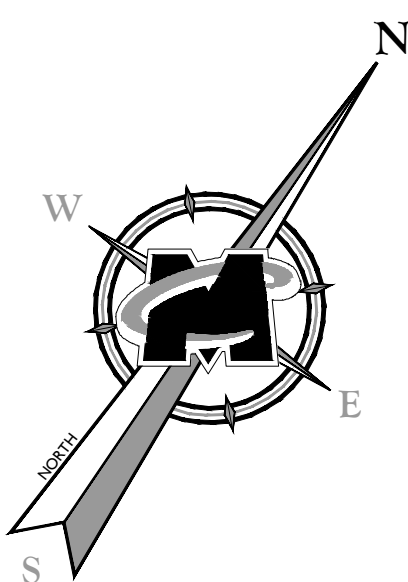
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EXISTING CONDITIONS PLAN
 SHEET NUMBER:
4 of 7



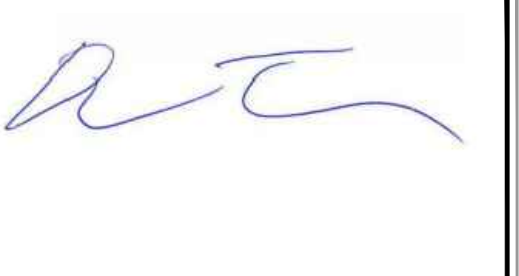
**CHAMPIONS AT DUGAN
 ELEMENTARY SCHOOL -
 EXISTING CONDITIONS**

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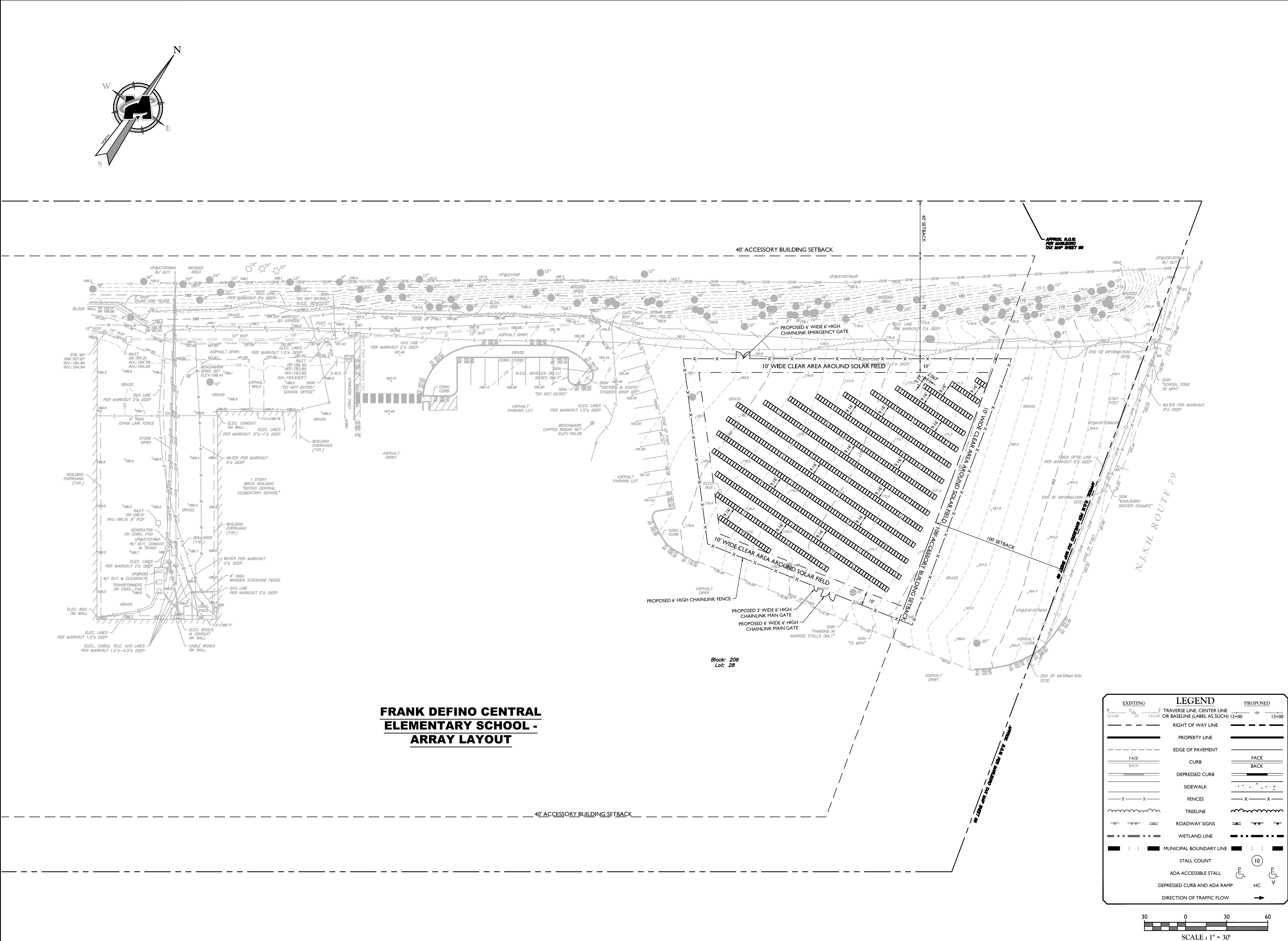
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PROJECT NUMBER: 20001698A	DRAWING NAME: CLAYT		

ARRAY LAYOUT PLAN



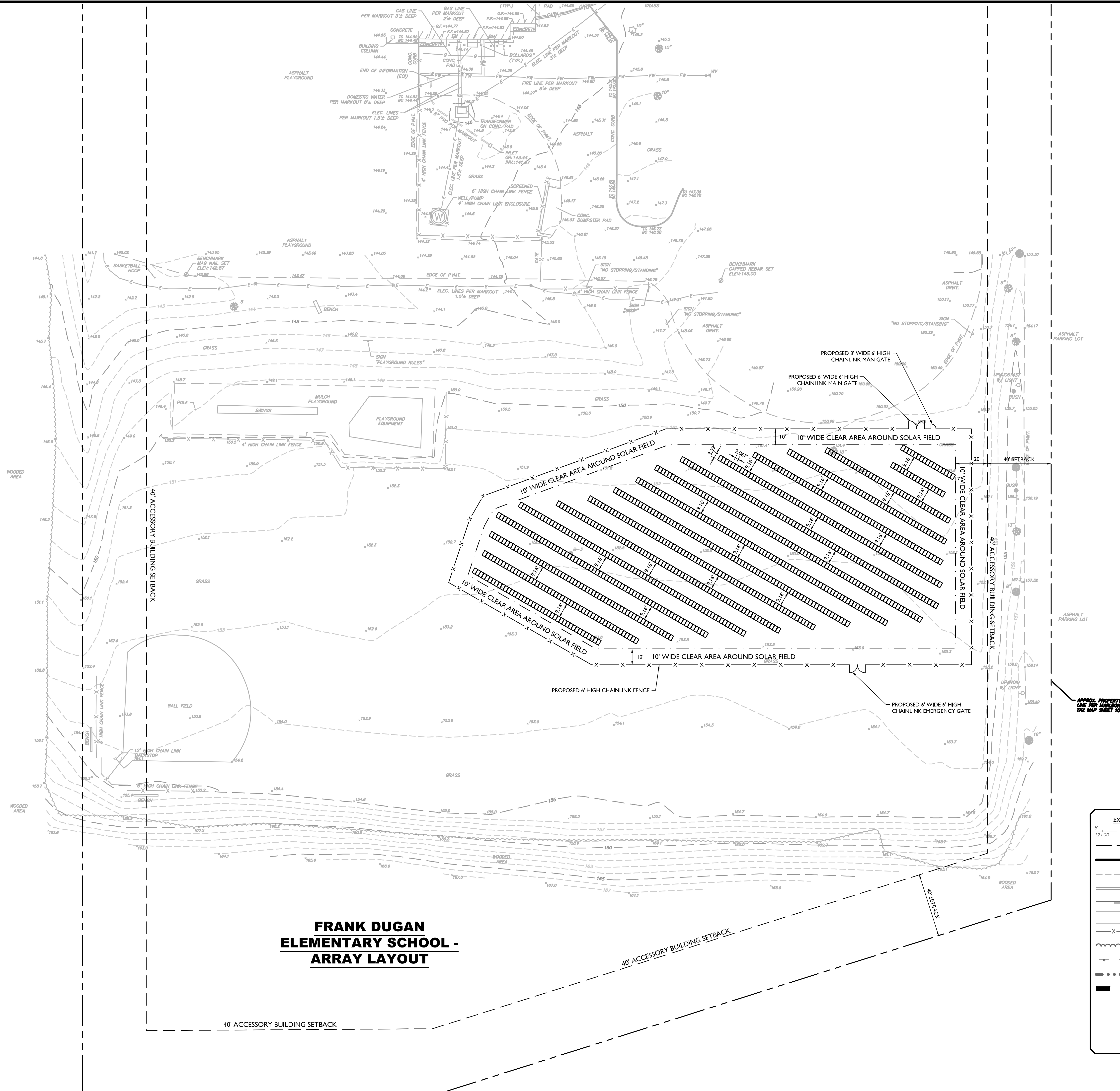
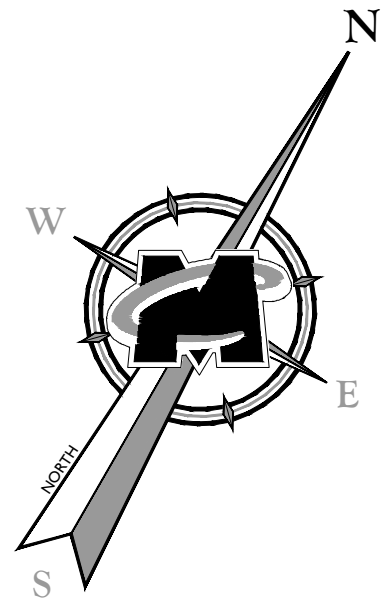
**FRANK DEFINO CENTRAL
 ELEMENTARY SCHOOL -
 ARRAY LAYOUT**

EXISTING	PROPOSED	LEGEND
		TRAVERSE LINE, CENTER LINE OR BASELINE (LABEL AS SUCH)
		RIGHT OF WAY LINE
		PROPERTY LINE
		EDGE OF PAVEMENT
		CURB
		DEPRESSED CURB
		SIDEWALK
		FENCES
		TREELINE
		ROADWAY SIGNS
		WETLAND LINE
		MUNICIPAL BOUNDARY LINE
		STALL COUNT
		ADA ACCESSIBLE STALL
		DEPRESSED CURB AND ADA RAMP
		DIRECTION OF TRAFFIC FLOW

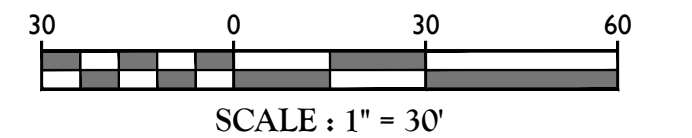


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3/20/2020 10:44 AM Management/Ser-Peter/C/CLAYT/CALAYT-DWG-CLAYT-ARRAY-LAYOUT By: HANAYKOLA



EXISTING	LEGEND	PROPOSED
	TRaverse LINE, CENTER LINE OR BASELINE (LABEL AS SUCH)	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CURB	
	DEPRESSED CURB	
	SIDEWALK	
	FENCES	
	TREELINE	
	ROADWAY SIGNS	
	WETLAND LINE	
	MUNICIPAL BOUNDARY LINE	
	STALL COUNT	
	ADA ACCESSIBLE STALL	
	DEPRESSED CURB AND ADA RAMP	
	DIRECTION OF TRAFFIC FLOW	



SCALE: 1" = 30'

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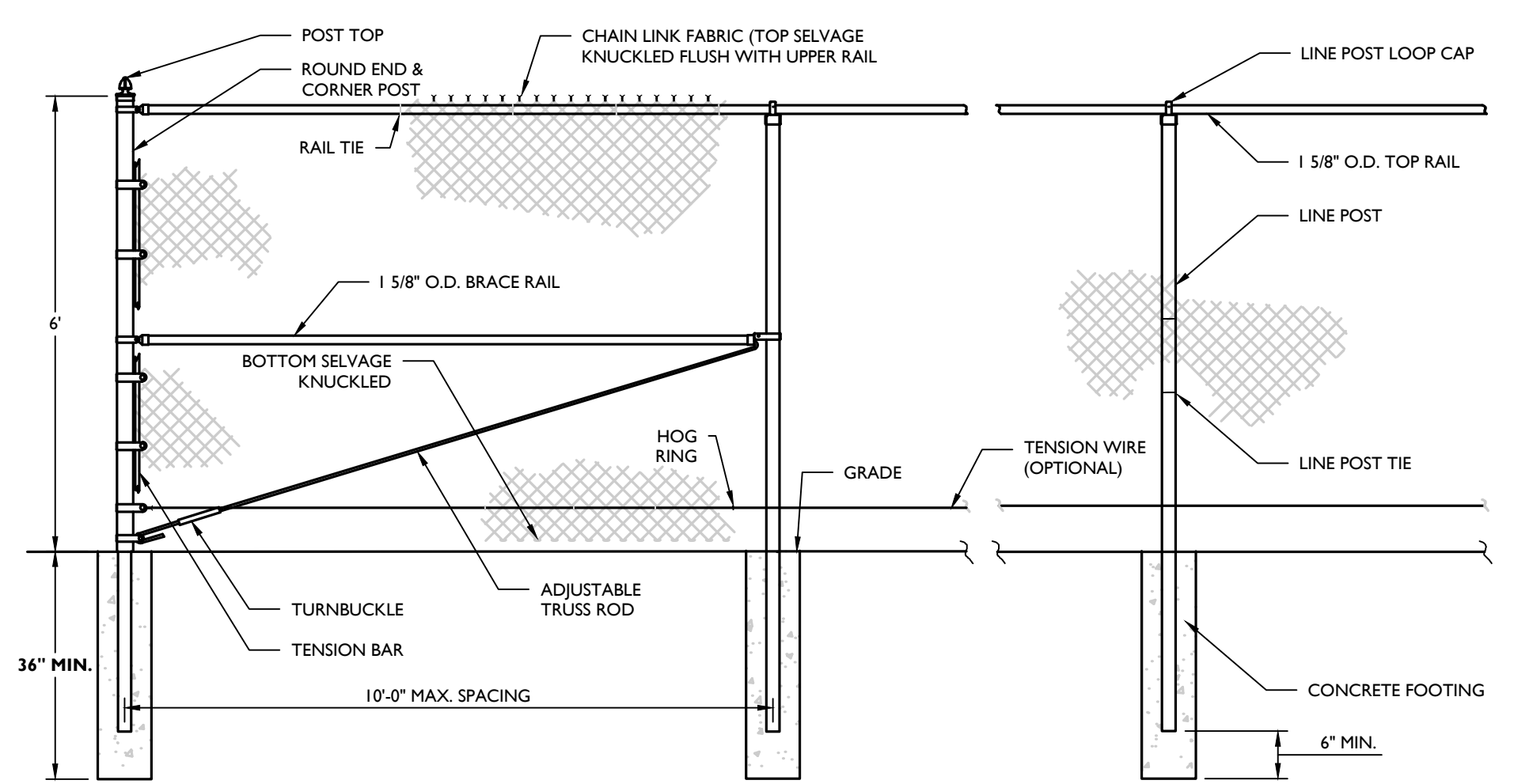
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PROJECT NUMBER: 20001698A	DRAWING NAME: CLAYT		

SHEET TITLE: **ARRAY LAYOUT PLAN**

SHEET NUMBER: **6 of 7**

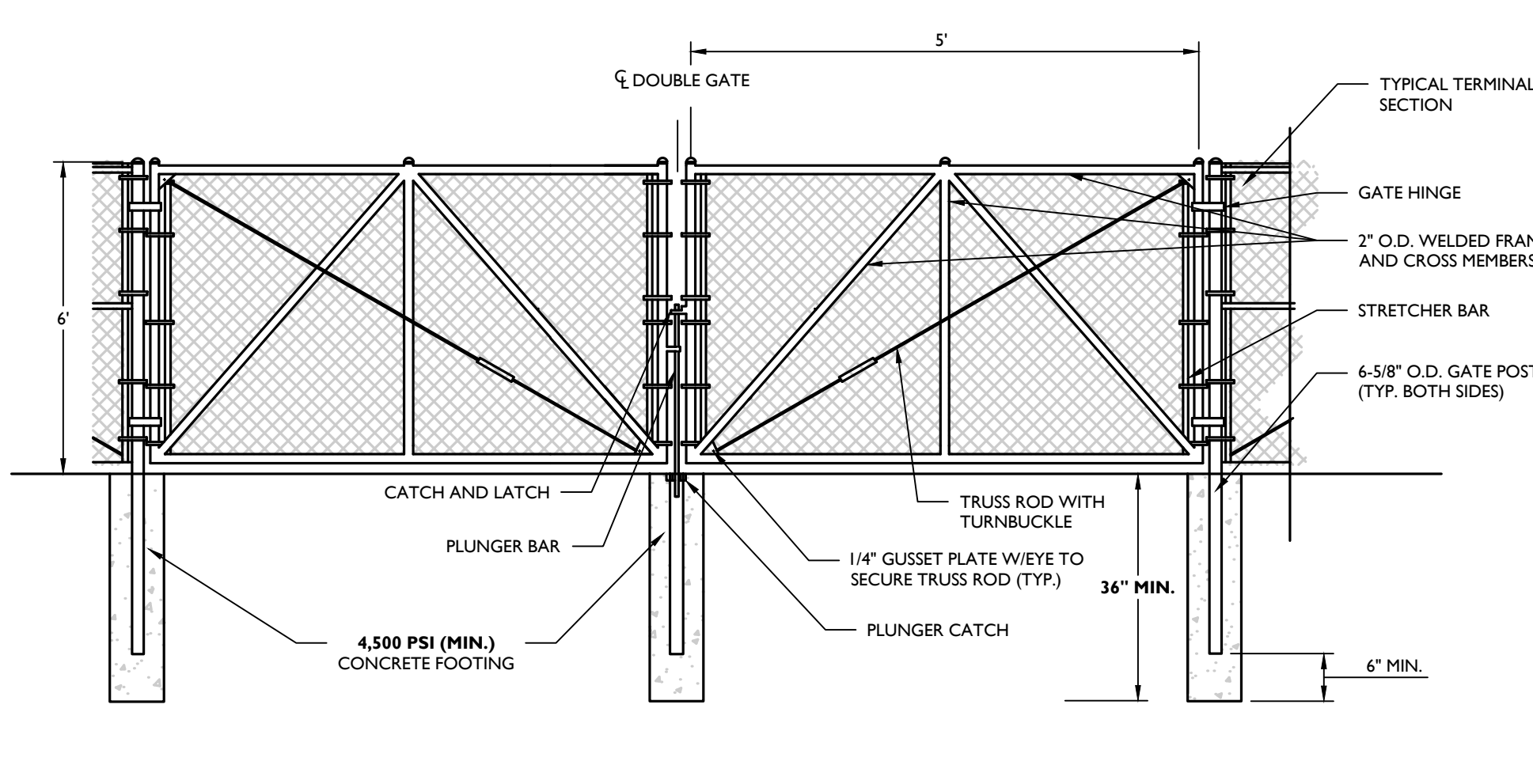
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

2020/06/01 10:44 AM Elements for Plan CLAYT.dwg CLAYT.dwg by: HAANYOUA

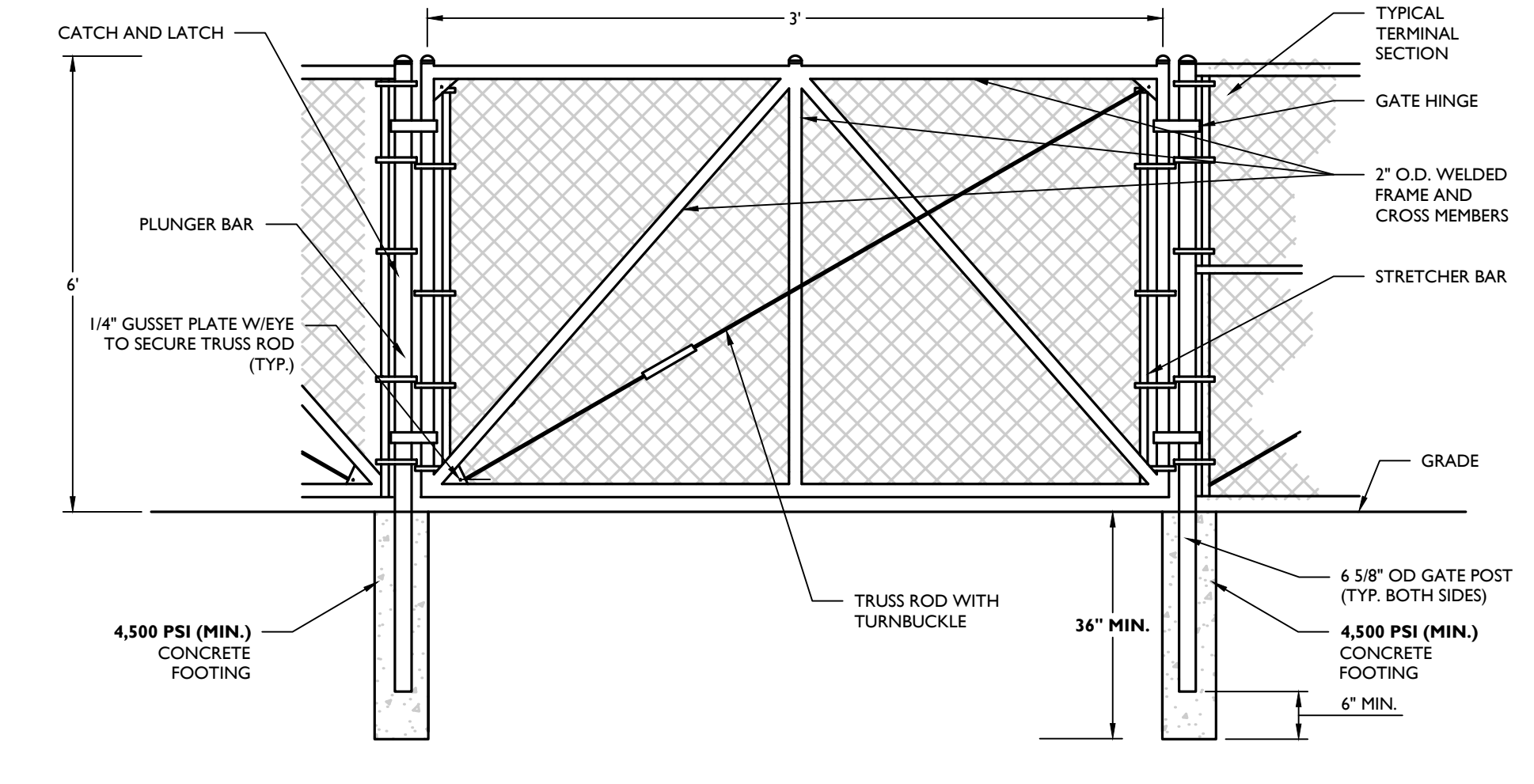


- NOTES:**
- WIRE MESH SHALL BE 2" MESH 9 GAUGE GALVANIZED (ZINC) COATED STEEL CHAIN LINK FABRIC, WITH KNUCKLED SELVAGE (KK) ON BOTH TOP AND BOTTOM.
 - FENCE FRAMEWORK RAIL AND POSTS SHALL BE HOT DIP GALVANIZED STEEL PIPE, 1 1/2" GAUGE, CLASS 1 ZINC COATED PER ASTM 1043 GORUP 1A FOR SCHEDULE 40 ROUND PIPE, WITH REGULAR STEEL YIELD STRENGTH OF 30,000 PSI PER ASTM F1083.
 - BAR LENGTH AND POST HEIGHT ABOVE GRADE PER FENCE HEIGHT AND MANUFACTURER'S SPECIFICATIONS. FENCE HEIGHT AS SPECIFIED ON THE PLAN.
 - COLOR OF WIRE MESH AS SPECIFIED ON THE PLANS.
 - END AND CORNER POST TOP SHALL BE DOME SHAPE.
 - FOOTING WIDTH TO BE (4) X POST WIDTH, MINIMUM DEPTH 36", 4,500 PSI CONCRETE.

FENCE POST AND MESH SCHEDULE			
USES	HEIGHT (H)	TERMINAL POST	LINE AND TOP POST
		ASTM F1043 GROUP 1A SCH. 40 PIPE	
RESIDENTIAL/LIGHT COMMERCIAL	5'	2 3/8"	1 7/8"
RESIDENTIAL/COMMERCIAL	6'	2 7/8"	2 3/8"
COMMERCIAL/INDUSTRIAL	6'	4"	3 1/2"
HEAVY COMMERCIAL/INDUSTRIAL	8'	4 1/2"	4"



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 - MESH TYPE & COLOR TO MATCH FENCE.



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 - MESH TYPE & COLOR TO MATCH FENCE.

1 GALVANIZED STEEL CHAIN LINK FENCE DETAIL
 NOT TO SCALE MCCM-SITE-FNCE-10001 07/01/19

2 CHAIN LINK FENCE DOUBLE GATE DETAIL
 NOT TO SCALE MCCM-SITE-FNCE-1301 07/01/19

3 CHAIN LINK FENCE SINGLE GATE DETAIL
 NOT TO SCALE MCCM-SITE-FNCE-1300 07/01/19

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 FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV.	DATE	DRAWN BY	DESCRIPTION

Derek M. Jordan

DEREK M. JORDAN
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE46968

PRELIMINARY AND FINAL SITE PLAN
 FOR
MARLBORO SCHOOL DISTRICT SOLAR INSTALLATION

FRANK DEFINO CENTRAL ELEMENTARY SCHOOL
 BLOCK 206, LOT 28

FRANK DUGAN ELEMENTARY
 BLOCK 339, LOT 90

TOWNSHIP OF MARLBORO
 MONMOUTH COUNTY
 NEW JERSEY

RED BANK OFFICE
 Corporate Headquarters
 331 Newnan Springs Road
 Suite 203
 Red Bank, NJ 07701
 Phone: 732.383.1950
 Fax: 732.383.1984

SCALE: AS SHOWN	DATE: 6/1/20	DRAWN BY: CB	CHECKED BY: DyHK
PROJECT NUMBER: 20001698A	DRAWING NAME: C-DTLS	SHEET TITLE: CONSTRUCTION DETAILS	
SHEET NUMBER: 7 of 7			