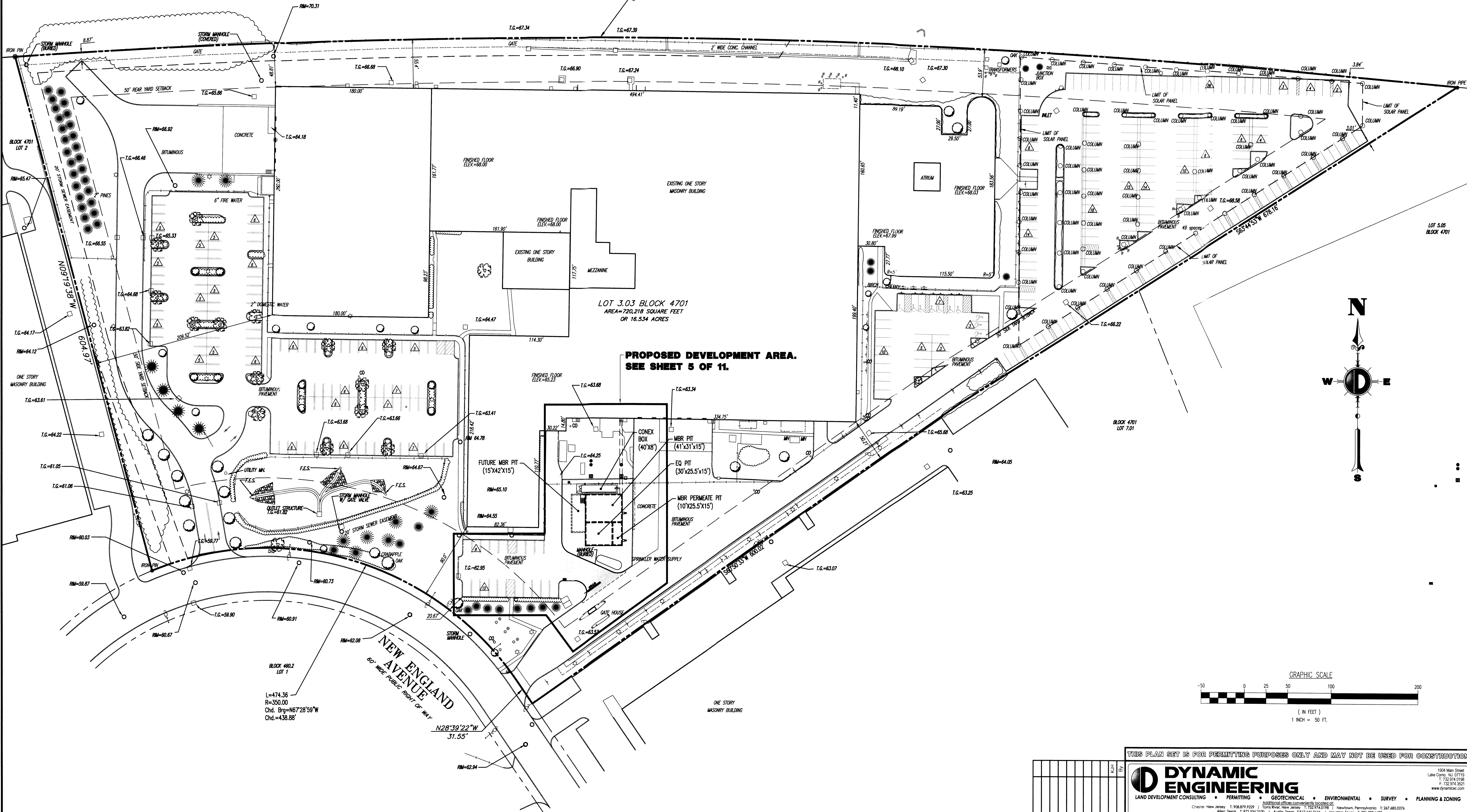
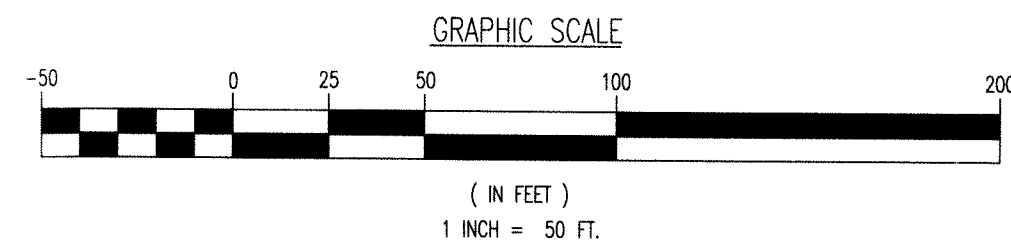


NEW JERSEY STATE HIGHWAY ROUTE 287

L=1418.08
R=9300.00
Δ=8°44'12"
Tan=710.42
Chd. Brg=58°33'52"E
Chd.=1485.39'



**PROPOSED DEVELOPMENT AREA.
SEE SHEET 5 OF 11.**



Plotted: 12/18/19 - 1:32 PM. By: khsage, - Product Ver: 23.1a (LMS Tech)
File: P:\DCPC PROJECTS\2334 Arco Murray\09-002 Piscataway\09-002 Overall Site Plan.dwg, ----- 04 OVERALL SITE PLAN

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PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

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TITLE: OVERALL SITE PLAN		
PROJECT: ARCO MURRAY/DESIGN BUILD PROPOSED SITE IMPROVEMENTS BLOCK 4701, LOT 3.03 81 NEW ENGLAND AVENUE TOWNSHIP OF PISCATAWAY, MIDDLESEX COUNTY, NEW JERSEY		JOB No: 2334-99-002 DATE: 09/17/2019 DRAWN BY: KAK SCALE (H) 1"=50' DESIGNED BY: MTS CHECKED BY: JMS SHEET No: 4 OF 11
JOSHUA M. SEWALD PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53908		KYLE C. KAVINSKI PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985
DEC Client Code: 2334		Rev. # 1

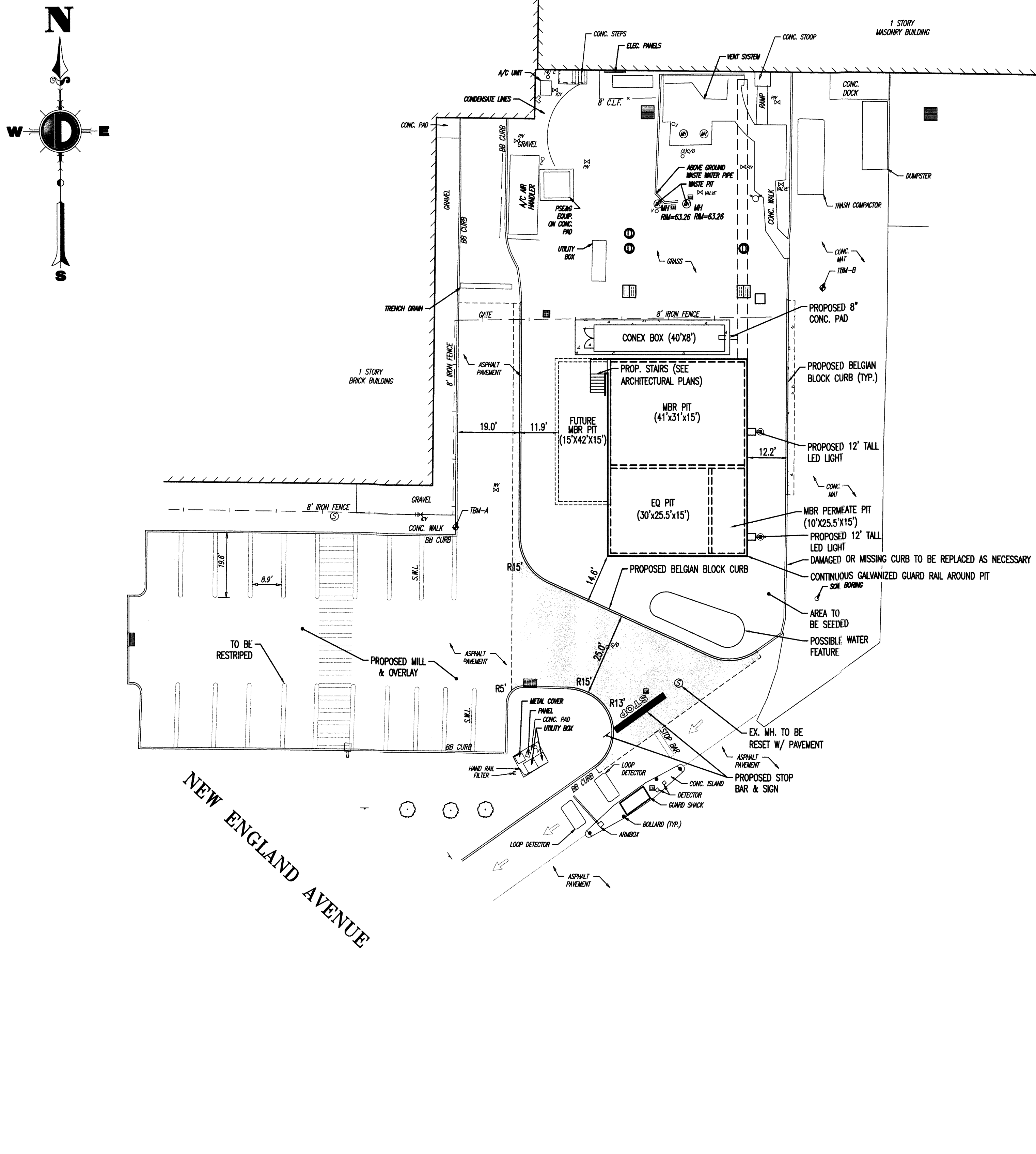
Plotted: 12/18/19 - 1:32 PM, By: khaegre, -- Product Ver: 23.1a (LMS Tech)
File: P:\DECPC PROJECTS\2334_Arco Murray\99-002 Pictoway Dwg\Site Plans\2334900250XS.dwg. --> 05 SITE PLAN

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GENERAL NOTES

- THIS PLAN HAS BEEN PREPARED BASED ON REFERENCES INCLUDING:
TOPOGRAPHIC & UTILITY SURVEY
CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
SURVEYOR FILE NO. 01-190280-00
 - APPLICANT:
ARCO MURRAY NATIONAL PROCESS SOLUTIONS, INC.
3115 WOODCREEK DRIVE
DOWNERS GROVE, IL 60515
 - OWNER:
L'OREAL USA, INC.
81 NEW ENGLAND AVENUE
PISCATAWAY, NJ 08854
 - PARCEL DATA:
BLOCK 4701, LOT 3.03
TOWNSHIP OF PISCATAWAY
MIDDLESEX COUNTY, NEW JERSEY
 - ZONE:
U-5 (LIGHT INDUSTRIAL DISTRICT)
 - EXISTING USE:
INDUSTRIAL (PERMITTED USE) (§ 21-501.3)
 - PROPOSED USE:
SITE AND UTILITY IMPROVEMENTS (PERMITTED USE) (§ 21-501.3)
- | ZONE REQUIREMENT | REQUIRED | EXISTING | PROPOSED |
|--|------------|----------------|---------------------------------|
| MINIMUM FLOOR AREA | 20,000 SF | 255,610 SF +/- | NO CHANGE |
| MAXIMUM BUILDING HEIGHT (PRINCIPAL BUILDING) | 50 FT | NOT INDICATED | NO CHANGE |
| MAXIMUM BUILDING HEIGHT (ACCESSORY STRUCTURE) | 25 FT | N/A | 16 FT (TANK) (4.7' ABOVE GRADE) |
| MINIMUM LOT AREA | 215,000 SF | 720,046 SF +/- | NO CHANGE |
| MINIMUM LOT WIDTH | 300 FT | 1,045 FT +/- | NO CHANGE |
| MINIMUM LOT DEPTH | 300 FT | 714 FT +/- | NO CHANGE |
| MINIMUM FRONT YARD SETBACK (PRINCIPAL BUILDING) | 80 FT | 65 FT | NO CHANGE |
| MINIMUM FRONT YARD SETBACK (ACCESSORY STRUCTURE) | 100 FT | N/A | 158.7 FT |
| MINIMUM REAR YARD SETBACK (PRINCIPAL BUILDING) | 50 FT | 67 FT +/- | NO CHANGE |
| MINIMUM REAR YARD SETBACK (ACCESSORY STRUCTURE) | 50 FT | N/A | N/A |
| MINIMUM SIDE YARD SETBACK (PRINCIPAL BUILDING) | 50 FT | 39 FT +/- | NO CHANGE |
| MINIMUM SIDE YARD SETBACK (ACCESSORY STRUCTURE) | 50 FT | N/A | 88.1 FT |
| MAXIMUM COVERAGE OF BUILDING | 50% | 34.9% | 35.4% |
- N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE
- PARKING REQUIREMENTS (§ 21-1102)
OFFICE SPACE: 1 SPACE PER 200 SF OF FLOOR AREA
LABORATORY AND RESEARCH: 1 SPACE PER 500 SF OF FLOOR AREA
WAREHOUSE: 1 SPACE PER 500 SF OF FLOOR AREA
REQUIRED PARKING = 147 SPACES
EXISTING PARKING = 154 SPACES
PROPOSED PARKING = 352 SPACES (M)
 - ELECTRIC CHARGING STATIONS (§ 21-1103)
ONE (1) ELECTRIC VEHICLE CHARGING STATION REQUIRED PER FIFTY (50)
REQUIRED = 7 STATIONS
EXISTING = 2 STATIONS (M)
 - DRIVEWAY REQUIREMENTS
A. DRIVEWAYS FOR INDUSTRIAL USES SHALL HAVE A MINIMUM WIDTH OF FIFTEEN (15) FEET AND MAXIMUM WIDTH OF THIRTY (30) FEET FOR ONE WAY OPERATIONS (§ 24-702.8-3).
B. DRIVEWAYS SERVING INDUSTRIAL USES SHALL HAVE A MINIMUM WIDTH OF TWENTY (20) FEET AND MAXIMUM WIDTH OF THIRTY (30) FEET FOR TWO-WAY OPERATION.
C. ALL DRIVEWAYS SHALL BE FIVE (5) FEET WIDER AT THE CURB-LINE AND THIS ADDITIONAL WIDTH SHALL BE MAINTAINED FOR A DISTANCE OF TWENTY (20) FEET INTO THE SITE. (§ 24-702.8-3)
D. DRIVE AISLES SERVING 90 DEGREE PARKING SHALL HAVE A MINIMUM WIDTH OF TWENTY FIVE (25) FEET. (§ 24-702.2.2)
 - BUFFER REQUIREMENTS
A. STORAGE TANKS SHALL BE SCREENED FROM THE STREET AND ADJACENT RESIDENTIAL USES. (§ 24-704.2.2)
B. AN AREA WITHIN A PROPERTY OR SITE GENERALLY ADJACENT TO AND PARALLEL WITH THE PROPERTY LINE BUFFER AREA SHALL BE INSTALLED AT A WIDTH SPECIFIED BY THE MUNICIPAL AGENCY, BUT IN NO CASE LESS THAN FIFTY (50) FEET WHEN A RESIDENTIAL AREA ADJUTS AN INDUSTRIAL ZONE BUFFER AREA SHALL BE LOCATED COMPLETELY WITHIN THE DEVELOPER'S PROPERTY AND CONSIST OF EITHER NATURAL EXISTING VEGETATION OR BE CREATED BY THE COMBINED USE OF TREES, SHRUBS, BERRIES, FENCES OR BARRIERS DESIGNED TO CONTINUOUSLY GROW AND PREVENT GROWING FOR TWO (2) YEARS, BUT SHALL BE TIGHTLY BOUND TO THE STAKE TO PREVENT SLIPPING. (§ 24-704.2.1)
C. EACH TREE SHALL BE WRAPPED WITH AN EXPANDABLE PAPER OR CLOTH TREATED TO LAST AT LEAST ONE (1) YEAR. THE WRAP SHALL EXTEND FROM THE GROUND LEVEL UP THE TRUNK TO THE BRANCHES. THIS WRAP TO PREVENT SUN SCALD SHALL BE ATTACHED TO EACH SIDE WITH A MATERIAL THAT WILL PERMIT TREE GROWTH WITHOUT GROWING. (§ 24-704.2.1)
 - SOIL REQUIREMENTS
A. SOIL SHALL NOT BE LEFT EXPOSED WITHIN ANY PLANTING BEDS. ALL SUCH SOIL SHALL BE COVERED WITH GROUND COVER OR A MINIMUM TWO (2) INCH LAYER OF MULCH, OR A COMBINATION OF MULCH AND GROUND COVER. (§ 24-704.2.5)
F. ALL PLANTING BEDS SHALL BE DELINEATED BY THE INSTALLATION OF A PHYSICAL EDGING OF STEEL OR OTHER DURABLE MATERIAL WITH THE MINIMUM DIMENSIONS OF FOUR INCHES BY EIGHT INCHES (4" X 8") AND SHALL BE INSTALLED FLUSH WITH THE GRADE. (§ 24-704.2.6)
 - G. NO PLANTINGS SHALL BE DONE AT INTERSECTIONS EXCEPT AS PERMITTED BY THE STATE OF NEW JERSEY IN THEIR SPECIFICATIONS FOR "LINE OF SITE" OR "SITE TRIANGLE" OR AS PERMITTED BY THE TOWNSHIP ENGINEER. (§ 24-704.2.7)
H. A PHYSICAL BARRIER SHALL BE INSTALLED AROUND EACH EXISTING PLANT OR GROUP OF PLANTS THAT ARE TO REMAIN ON THE SITE. THIS BARRIER SHALL BE CONSTRUCTED OF A DURABLE MATERIAL THAT WILL LAST UNTIL CONSTRUCTION IS COMPLETED. BARRIERS SHALL NOT BE SUPPORTED BY THE PLANTS THEY ARE PROTECTING BUT SHALL BE SELF-SUPPORTING. THE INSTALLATION OF THESE BARRIERS SHALL BE AS SPECIFIED FOR TREE PROTECTION IN CHAPTER XXIV, SECTION 28-25 STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. (§ 24-704.2.8)
 - I. NEW STREET TREES SHALL NOT BE SHOWN AS PART OF THE LANDSCAPE PLAN UNLESS FIRST APPROVED BY THE TOWNSHIP ENGINEER AS TO TYPE AND LOCATION. (§ 24-704.2.9)
 - J. THE APPLICANT SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER XXX, PROTECTION OF TREES AND CHAPTER XXIV SOIL AND SOIL REMOVAL. (§ 24-704.2.10)
 - K. ALL LAND DISTURBANCE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER XXIV, SECTION 28-25 SOIL EROSION AND SEDIMENT CONTROL. (§ 24-704.2.11)
 - L. LANDSCAPING SHALL BE DESIGNED, SUPPLIED, AND INSTALLED IN ACCORDANCE WITH GOOD NURSERY PRACTICE. (§ 24-704.2.12)
 13. THE APPLICANT REQUESTS ANY AND ALL SUBMISSION WAIVERS THAT ARE NOT SPECIFICALLY IDENTIFIED HEREIN. TESTIMONY WILL BE SUPPLIED AT THE PUBLIC HEARING TO SUPPORT SAID SUBMISSION WAIVERS.
14. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.
15. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
16. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT & PLANS.
17. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UTILITIES, ETC.
18. THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.
19. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD MEASURED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
20. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
21. ALL EXCAVATED UNSTABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
22. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE.
23. ALL CONTRACTORS MUST CARRY CERTAIN WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGI). ALL CONTRACTORS MUST HAVE THEIR CGI POLICES ENDORSED TO NAME DYNAMIC ENGINEERING CONSULTANTS, P.C. ITS SUBCONSULTANTS AS ADDITIONAL INSURED AND TO PROVIDE CONTINUING LIABILITY COVERAGE SUFFICIENT TO INSURE THE HOLD HARMLESS AND INDEMNIFY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH DYNAMIC ENGINEERING CONSULTANTS, P.C. WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.
24. NEITHER THE PROFESSIONAL ACTIVITIES OF DYNAMIC ENGINEERING CONSULTANTS, P.C. NOR THE PRESENCE OF DYNAMIC ENGINEERING CONSULTANTS AT A CONSTRUCTION/PROJECT SITE SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.
25. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS. COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW A SPECIFIC ITEM SHALL NOT INDICATE THAT DYNAMIC ENGINEERING CONSULTANTS, P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF DYNAMIC ENGINEERING CONSULTANTS, P.C. IN WRITING BY THE CONTRACTOR. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
26. IN AN EFFORT TO RESOLVE ANY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE COMPLETION OF THE PROJECT, DYNAMIC ENGINEERING CONSULTANTS, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBIDDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.
27. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS, THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL THOSE AGREEMENTS.
28. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY VIOLATIONS, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THEREOF AND ALL COMPENSATORY PUNITIVE DAMAGES, RESULTING THEREFROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.
29. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
30. THE BUILDING SETBACK DIMENSIONS ILLUSTRATED AND LISTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF BUILDING WALLS. THESE SETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR EXTENSIONS SPECIFICALLY NOTED.
31. CONTRACTOR ACKNOWLEDGES HE HAS READ AND UNDERSTOOD THE DESIGN PHASE SOIL PERMEABILITY AND GROUNDWATER TEST RESULTS IN THE STORMWATER MANAGEMENT REPORT AND THAT THE CONTRACTORS RESPONSIBILITIES INCLUDE NECESSARY PROVISIONS TO ACHIEVE THE DESIGN FLOW IN THE FIELD.
32. CONTRACTOR TO BE ADVISED THAT THE ENGINEER WAS NOT PROVIDED WITH FINAL FLOOR PLAN DRAWINGS FOR THE BUILDING AT THE TIME OF SITE PLAN DESIGN. AS A RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREON MAY NOT BE FINAL AND MUST BE CONFIRMED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. THE LANDSCAP ACCESSIBLE PARKING SPACES AND THE ASSOCIATED RAMPS AND ACCESSIBLE ROUTE MUST COMPLY WITH NJAC 22:27-7 AND THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

PAVEMENT LEGEND				
	EXISTING PAVEMENT TO REMAIN			
	PAVEMENT TO BE MILLED AND REPAVED AS NECESSARY			
	PROPOSED FULL DEPTH PAVEMENT			
	CONCRETE			

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Denver, Colorado: T: 561.921.8070

TITLE:
SITE PLAN

PROJECT: **ARCO MURRAY/DESIGN BUILD PROPOSED SITE IMPROVEMENTS**
BLOCK 4701, LOT 3.03
81 NEW ENGLAND AVENUE
TOWNSHIP OF PISCATAWAY, MIDDLESEX COUNTY, NEW JERSEY

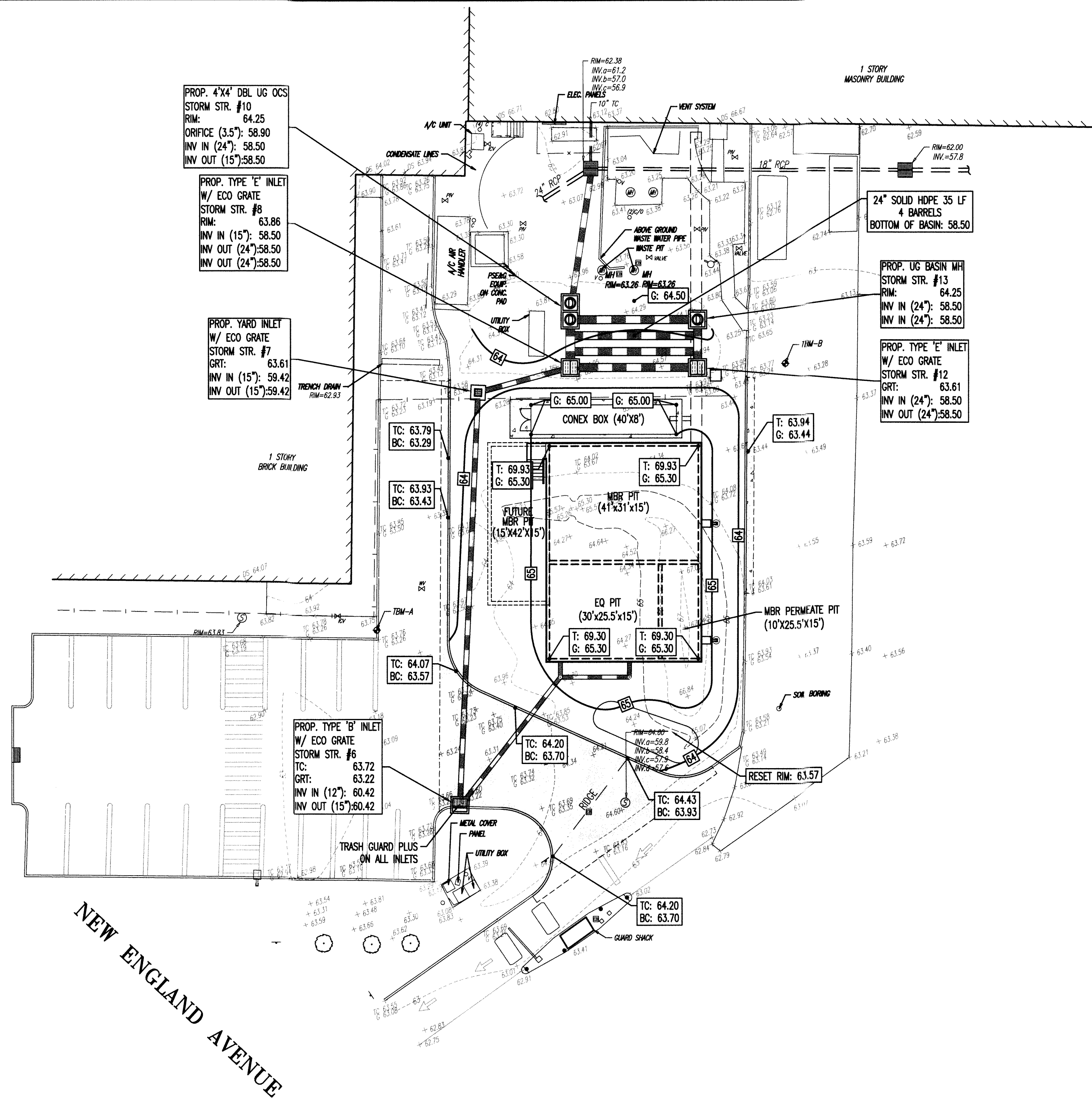
JOB No: 2334-99-002
DATE: 09/17/2019
DRAWN BY: KAK
SCALE: (H) 1"=20' (V)
DESIGNED BY: MTS
CHECKED BY: JMS
SHEET No: 5 OF 11

CONSTRUCTION CHECK: DATE
CONSTRUCTION CHECK: DATE

DEC Client Code: 2334 Rev. # 1

JOSHUA M. SEWALD
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 52908

KYLE C. KAVINSKI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 52985



GRADEING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND FILLING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST #1667. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE OR 3% BELOW OPTIMUM. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE, WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

2. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE CURB AND GUTTER CURED 1 1/2" ON ALL CONCRETE SUBBASES, AND 1 1/2" MIN. ON ASPHALT. TO PREVENT PONDING, ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT SUCCESS, MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH DESIGN DISCREPANCIES IS DONE SO AT THE CONTRACTOR'S OWN RISK.

3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MIN. OF 0.75% CURED SLOPE ALONG CURB AND GUTTER.

4. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL, COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).

5. REFER TO SITE PLAN FOR ADDITIONAL NOTES.

6. IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERSEDE IN ALL CASES. CONTRACTOR MUST NOTIFY ENGINEER OF RECORD OF ANY CONFLICT IMMEDIATELY.

7. MAXIMUM CROSS SLOPE OF 2% ON ALL SIDEWALKS.

8. CONTRACTOR TO ENSURE A MAXIMUM OF 2% CROSS SLOPE IN ALL DIRECTIONS IN ADA PARKING SPACES AND ADA ACCESS AREAS. CONTRACTOR TO ENSURE A MAXIMUM 3% RUNNING SLOPE AND 2% CROSS SLOPE ALONG ALL PORTIONS OF ACCESSIBLE ROUTE, WITH THE EXCEPTION OF STAMPS AND CURB RAMPS. CONTRACTOR TO CLARIFY ANY QUESTIONS CONCERNING CONSTRUCTION IN ADA AREAS WITH THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.

9. THE OWNER SHALL RETAIN DYNAMIC ETNA LLC (908-878-7095) OR ALTERNATE QUALIFIED GEOTECHNICAL ENGINEER TO TEST SOIL PERMEABILITY AND PROVIDE CONSTRUCTION PHASE INSPECTIONS OF THE BASIN BOTTOM SLOPES AND ALL FILL MATERIALS WITH ANY PROPOSED INFILTRATION OR RETENTION BASIN TO COMPARE RESULTS TO DESIGN CRITERIA.

10. CONTRACTOR IS TO REMOVE EXISTING UNDESIRABLE OR OVERLY COMPACTED SOIL OR ROCK AS NECESSARY TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE ENGINEER AND TO PROVIDE A MINIMUM 12" MINIMUM COVER AND IN PLACE PERMEABILITY GREATER THAN OR EQUAL TO THE EXISTING SUBGRADE.

11. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND OBTAIN THE CONTRACTOR'S PROPOSED MEANS AND MATERIALS AND SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN PERMEABILITY TESTING.

12. THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS OTHERWISE NOTED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.

ALL SLOPES INDICATED ARE ACTUAL. CONTRACTOR TO REFER TO LATEST ADA GUIDELINES AND NJ BARRIER FREE SUBCODE (NJAC 5:23-7) FOR SLOPE LIMITS. AT THE TIME OF PLAN DESIGN, THE SLOPE LIMITS ARE AS FOLLOWS:

- RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)
- CROSS SLOPE: 1:48 (2.08%) MAX., 1.0% MIN. (1.5% MAX. FOR NEW CONSTRUCTION)
- INTERSECTION SLOPE: 1:48 (2.08%) MAX. IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
- CHANGE IN LEVELS: $\frac{1}{4}"$ MAX. HEIGHT OR $\frac{1}{2}"$ MAX. HEIGHT WITH BEVELED EDGE BEVELED EDGE SLOPE OF 1:2 (50%) MAX.
- GAPS: $\frac{1}{2}"$ MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF TRAVEL

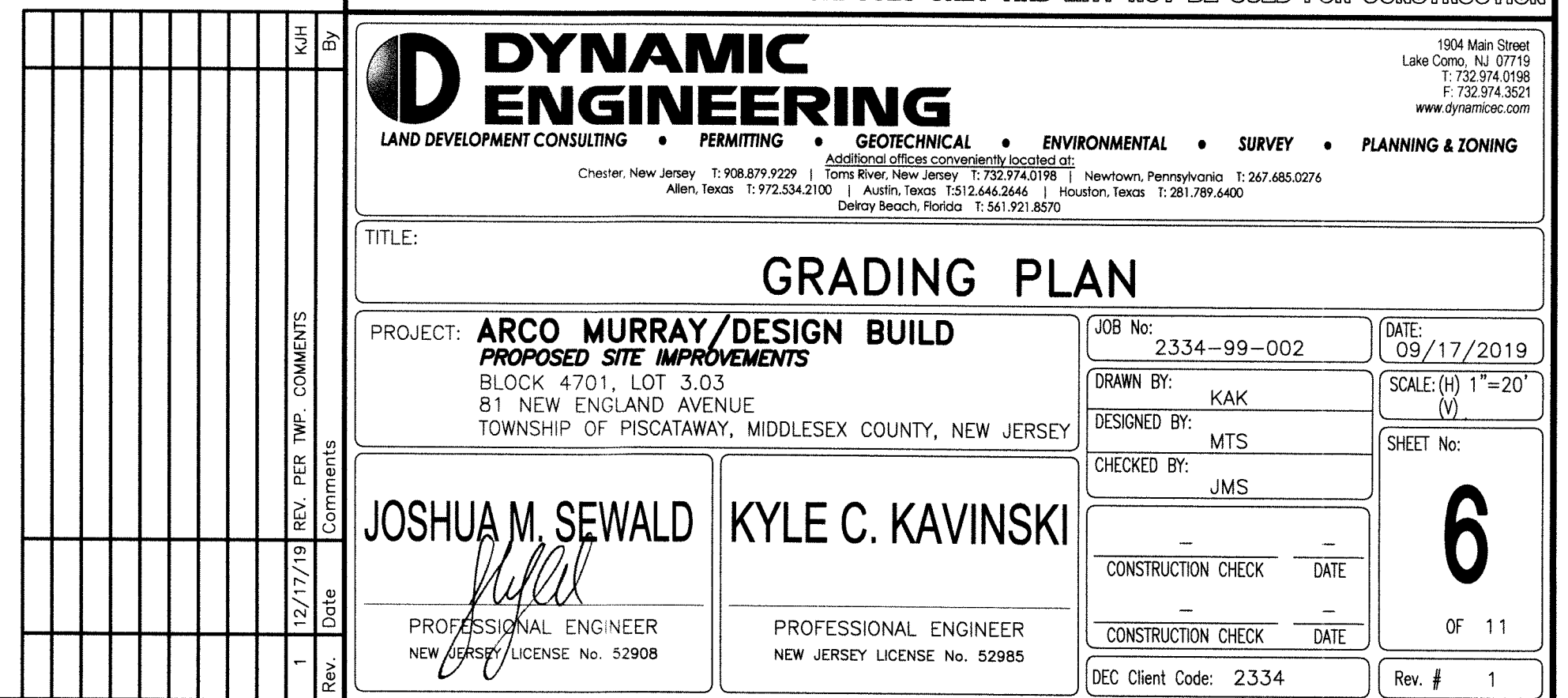
- SLOPE: 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)
- SIDE FLARE SLOPE: 1:10 (10%) MAX. (WHERE PEDS CROSS RAMP)
- BOTTOM LANDING: 48" MIN. LENGTH; WIDTH TO MATCH CURB RAMP: 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
- TOP LANDING: 36" MIN. LENGTH; WIDTH TO MATCH CURB RAMP: 1:48 MAX. (2.08%) CROSS SLOPE (1.5% MAX. FOR NEW CONSTRUCTION) AND 1:20 (5%) RUNNING SLOPE (4.5% MAX. FOR NEW CONSTRUCTION)

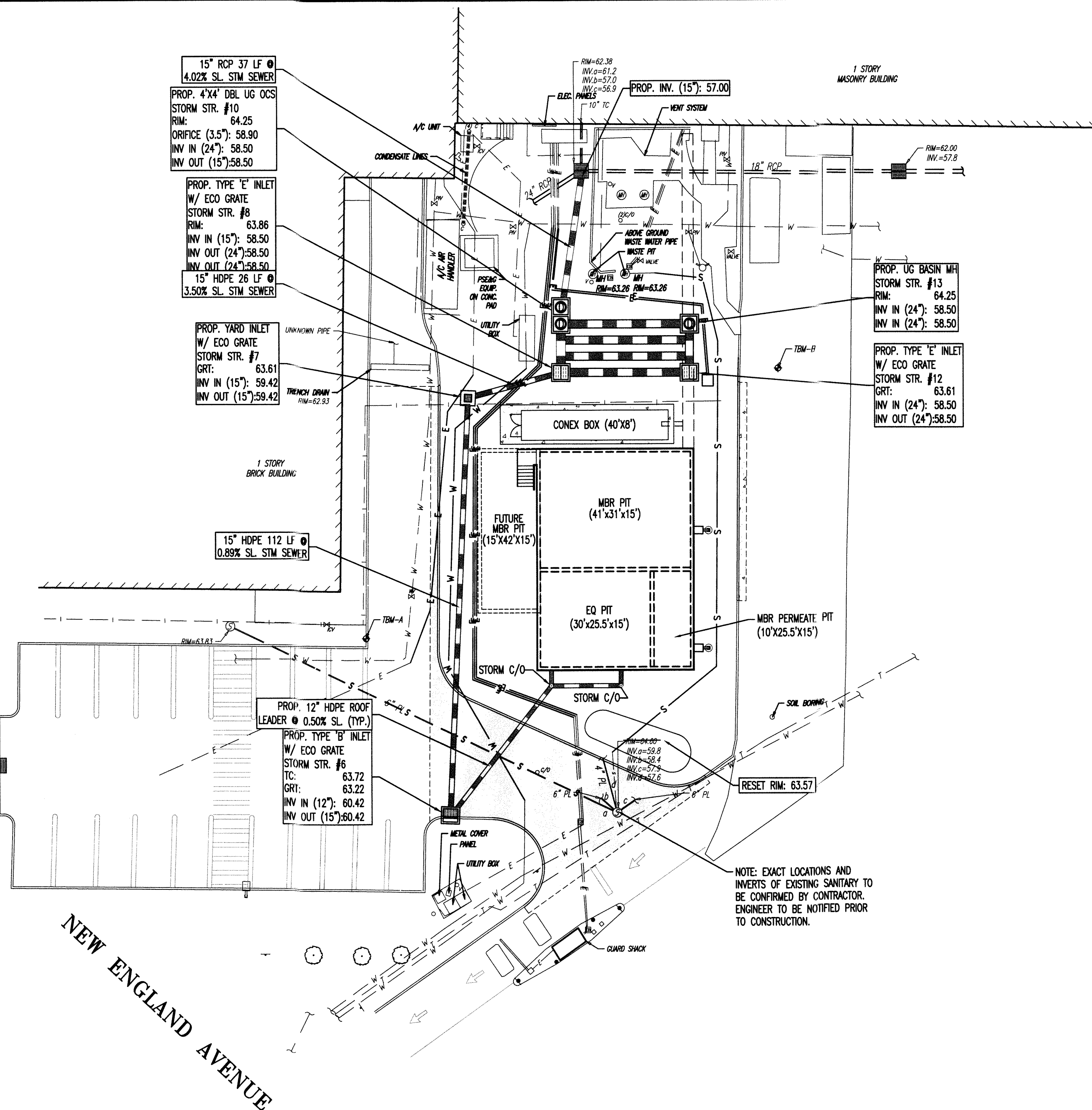
- SPACE AND ACCESS AISLE SLOPE: 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)

- RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)
- CROSS SLOPE: 1:48 (2.08%) MAX. (1.5% MAX. FOR NEW CONSTRUCTION)
- CHANGE IN LEVELS: $\frac{1}{4}$ " MAX. HEIGHT OR $\frac{1}{2}$ " MAX. HEIGHT WITH BEVELED EDGE. BEVELED EDG. SLOPE OF 1:2 (50%) MAX.
- GAPS: $\frac{1}{2}$ " MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF TRAVEL

- EXISTING RAMP(S); SLOPE: 1:10 (10%) MAX. FOR RISE OF 6"; 1:8 (12.5%) MAX. FOR MAX. RISE OF 3"
- MAX. RISE: 30"
- MIN. CLEAR WIDTH: 36"
- MIN. LANDING CLEAR LENGTH: 60"
- MAX. CROSS SLOPE: 1:48 (2.08%) (1.5% MAX. FOR NEW CONSTRUCTION)

PROPERTY LINE (PARCEL IN QUESTION)		OFF-SITE PROPERTY LINES	
	EXIST. CABLE LINE		EXIST. SPOT ELEVATIONS
	PROP. CABLE LINE		EXIST. GUTTER ELEV.
	EXIST. ELECTRIC LINE		EXIST. TOP OF CURB ELEV.
	PROP. ELECTRIC LINE		EXIST. FINISH FLOOR ELEV.
	EXIST. FIBER OPTIC LINE		EXIST. GARAGE FLOOR ELEV.
	PROP. FIBER OPTIC LINE		EXIST. FIRE HYDRANT
	EXIST. FUEL LINE		EXIST. WATER VALVE
	PROP. FUEL LINE		EXIST. GAS VALVE
	EXIST. OVERHEAD WIRES		EXIST. GAS METER
	PROP. OVERHEAD WIRES		EXIST. ELECTRIC METER
	EXIST. TELEPHONE LINE		EXIST. ELECTRIC BOX
	PROP. TELEPHONE LINE		EXIST. CLEAN OUT
	EXIST. UNDERGROUND ELEC./TELE. SERVICE (NO. & SIZE OF CONDUITS NOT DEFINED)		EXIST. WATER SHUT OFF VALVE
	PROP. UNDERGROUND ELEC./TELE. SERVICE (NO. & SIZE OF CONDUITS NOT DEFINED)		EXIST. TELEPHONE BOX
	EXIST. WATER LINE		EXIST. CABLE TV BOX
	PROP. WATER LINE		EXIST. UTILITY POLE
	EXIST. SANITARY SEWER LINE		EXIST. GUY WIRE
	PROP. SANITARY SEWER LINE		EXIST. LIGHT POLE
	EXIST. STORM DRAIN LINE		EXIST. BUILDING LIGHT
	PROP. STORM DRAIN LINE		EXIST. SHOE BOX LIGHT
	EXIST. MINOR CONTOUR & ELEVATION		EXIST. COBRA LIGHT POLE
	EXIST. MAJOR CONTOUR & ELEVATION		EXIST. TRAFFIC SIGNAL POLE
	PROP. FINISH GRADE CONTOUR & ELEVATION		EXIST. MANHOLE
	EXIST. MONITORING WELL		EXIST. "A" INLET
	APPROX. TEST PIT LOCATION		EXIST. "B" INLET
			EXIST. "C" INLET
			EXIST. YARD INLET
			EXIST. FLARED END SECTION
			EXIST. HEADWALL
			PROP. GRADE SPOT ELEV.
			PROP. TOP OF CURB & FINISHED GRADE ELEV.
			PROP. FINISHED FLOOR ELEV.
			PROP. TOP OF WALL & FINISHED GRADE @ LOW SIDE OF WALL (ACTUAL BOTTOM OF WALL FOOTING TO BE ESTABLISHED BY WALL DESIGNER)
			PROP. TOP OF EXTENDED CURB (4) FINISHED GRADE @ HIGH SIDE OF EXTENDED CURB & (4) FINISHED GRADE @ LOW SIDE OF EXTENDED CURB
			PROP. DIRECTION OF DRAINAGE FLOW ARROW
			PROP. WATER VALVE
			PROP. GAS VALVE
			PROP. STORM CLEANOUT
			PROP. SANITARY CLEANOUT
			PROP. AREA LIGHT
			PROP. OUTLET CONTROL STRUCTURE
			PROP. DRAINAGE MANHOLE
			PROP. SANITARY SEWER MANHOLE
			PROP. "A" INLET
			PROP. "B" INLET
			PROP. "C" INLET
			PROP. YARD INLET
			PROP. FLARED END SECTION
			PROP. HEADWALL





1. LOCATION 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 3 FEET PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST ELEVATION POINT OF CONNECTION AND PROGRESS UP GRADIENT, INTERFERE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "TONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO "MARK OUT THEIR UTILITIES."
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME. SERVICE SIZES TO BE DETERMINED BY ARCHITECT.
4. WATER SERVICE MATERIALS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTORS PIPE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE.
5. ALL WATER MAIN SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON PIPE, UNLESS OTHERWISE DESIGNATED.
6. THE MINIMUM DUCTILE IRON PIPE FOR DOMESTIC WATER SERVICES SHALL BE 12 INCH.
7. SEWER MAINS SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. WHERE THIS IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER MAIN AT LEAST 18 INCHES BELOW THE WATER MAIN. ALL SEWER MAINS SHALL BE SDR-35 PIPE UNLESS OTHERWISE DESIGNATED.
8. ALL SEWER PIPE INSTALLED WITH LESS THAN 3 FEET OF COVER, GREATER THAN 20 FEET OF COVER OR WITHIN 18 INCHES OF A WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE. ALL DUCTILE IRON SEWER PIPE SHALL BE CEMENT-LINED, CLASS 52 PIPE, FURNISHED WITH SEWER COAT, OR APPROVED EQL.
9. WHERE SANITARY SEWER LATERALS ARE GREATER THAN 10' DEEP AT CONNECTION TO THE SEWER MAIN, CONCRETE DEEP LATERAL CONNECTIONS ARE TO BE UTILIZED.
10. LOCATION & LAYOUT OF GAS, ELECTRIC & TELECOMMUNICATION UTILITY LINES AND SERVICES SHOWN ON THESE PLANS ARE SCHEMATIC IN NATURE. ACTUAL LOCATION & LAYOUT OF THESE UTILITIES & SERVICES ARE TO BE PER THE APPROPRIATE UTILITY PROVIDER.
11. ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE CONSTRUCTED W/ ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE DESIGNATED.
12. ALL SEWER AND WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATORY AUTHORITY'S RULES AND REGULATIONS.
13. ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
14. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS II, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE ELLIPTICAL STORM PIPE TO CONFORM TO ASTM C-507, CLASS II-8, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN PIPE ASSOCIATION INSTALLATION GUIDELINES AND WOODROW OR PATENTED FLEXIBLE JOINT SEAMANT IN ACCORDANCE WITH ASTM C 990 TO BE UTILIZED TO PROVIDE A SLT-TIGHT JOINT. WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATER-TIGHT AND CONFORM TO ASTM C-443.
15. HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SLOID PIPE SHALL HAVE GASKETED SLT-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F447. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURE RECOMMENDATIONS.
16. HD DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F1376 (12"-30" PIPE) AND ASTM F2281 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F447. FIELD WATER TIGHTNESS PROVIDED BY WATER TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F1376 AND ASTM F2281. PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HP STORM PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURE RECOMMENDATIONS.
17. PIPE LENGTHS ON THIS PLAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES. ACTUAL PHYSICAL PIPE LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR ACCORDINGLY.
18. STORMWATER MANAGEMENT FACILITIES SHALL BE INSPECTED UNDER THE SUPERVISION OF APPROPRIATE PERSONNEL FROM THE TOWNSHIP ENGINEERING DIVISION AND/OR THE DEPARTMENT OF PUBLIC WORKS AT THE TIME OF CONSTRUCTION.

EXISTING WATER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE LOCATED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

EXISTING GAS SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING GAS SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL GAS COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION. ANY NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

SANITARY SEWER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SERVICE CONNECTION IF OF ADEQUATE SIZE AND INTEGRITY AND ACCEPTABLE TO LOCAL SEWER AUTHORITY. OTHERWISE CONTRACTOR TO REMOVE EXISTING SEWER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL SEWER AUTHORITY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL SEWER AUTHORITY PRIOR TO COMPLETION. IF EXISTING SEWER SERVICE CANNOT BE UTILIZED THEN THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL SEWER AUTHORITY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

1. OUTLET STRUCTURE IS TO BE INSPECTED ANNUALLY AND RESIDUAL SEDIMENTATION IS TO BE REMOVED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH APPLICABLE MUNICIPAL, COUNTY, AND STATE REGULATIONS AS NECESSARY.
2. INLETS ARE TO BE INSPECTED AND CLEANED TO REMOVE SEDIMENTATION, TRASH AND/OR DEBRIS EVERY SIX (6) MONTHS, OR AS NECESSARY, TO ENSURE PROPER FUNCTION.
3. TOP OF BASIN FIELD TO BE INSPECTED FOR INDICATION OF SETTLEMENT. MUNICIPAL ENGINEER TO BE ADVISED IMMEDIATELY IF SETTLEMENT WITNESSED SO THAT PLAN FOR REPAIR, IF NECESSARY, CAN BE MADE.
4. PIPES AND BEDDING TO BE INSPECTED AT THE REQUEST OF THE MUNICIPAL ENGINEER OR AS REQUIRED IF EXCESSIVE SEDIMENT BUILDUP IS WITNESSED. PIPES NETWORK SYSTEMS BE CLEANED OF SEDIMENTATION AND DEBRIS PER THE DIRECTION OF THE MUNICIPAL ENGINEER AND/OR BASIN MAINTAINING REPORT. DEBRIS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH MUNICIPAL, COUNTY AND STATE REGULATIONS.

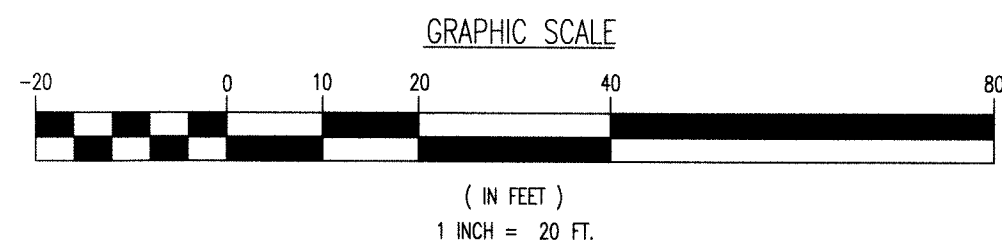
PROPERTY LINE (PARCEL IN QUESTION)

OFF-SITE PROPERTY LINES

EXIST. CABLE LINE
 PROP. CABLE LINE
 EXIST. ELECTRIC LINE
 EXIST. FIBER OPTIC LINE
 EXIST. FIBER OPTIC LINE
 EXIST. FUEL LINE
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 APPROX. TEST PIT LOCATION

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 EXIST. TELEPHONE BOX
 EXIST. CABLE TV BOX
 EXIST. UTILITY POLE
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 PROP. HEADWALL



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PROJECT:	ARCO MURRAY/DESIGN BUILD		JOB No:	2334-99-002		DATE:	09/17/2019	
	PROPOSED SITE IMPROVEMENTS							
BLOCK 4701, LOT 3.03 81 NEW JERSEY AVENUE TOWNSHIP OF PISCATAWAY, MIDDLESEX COUNTY, NEW JERSEY			DRAWN BY:		KAK		SCALE: (H) 1"=20'	
			DESIGNED BY:		MTS		(V)	
			CHECKED BY:		JMS		SHEET No:	
JOSHUA M. SEWALD		KYLE C. KAVINSKI		— CONSTRUCTION CHECK — — DATE —		7 OF 11		
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52908		PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985		DEC Client Code: 2334		Rev. # 1		