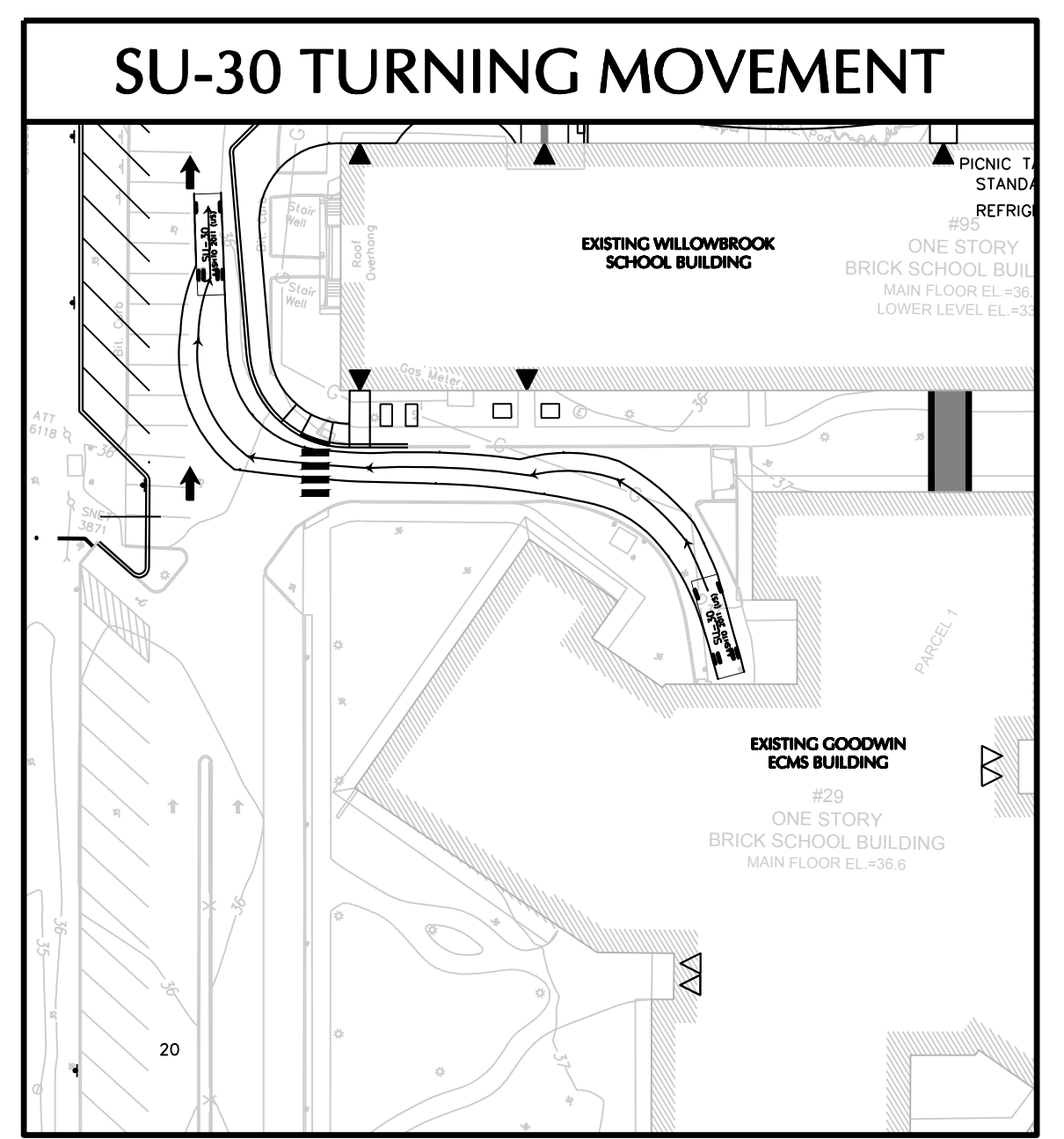
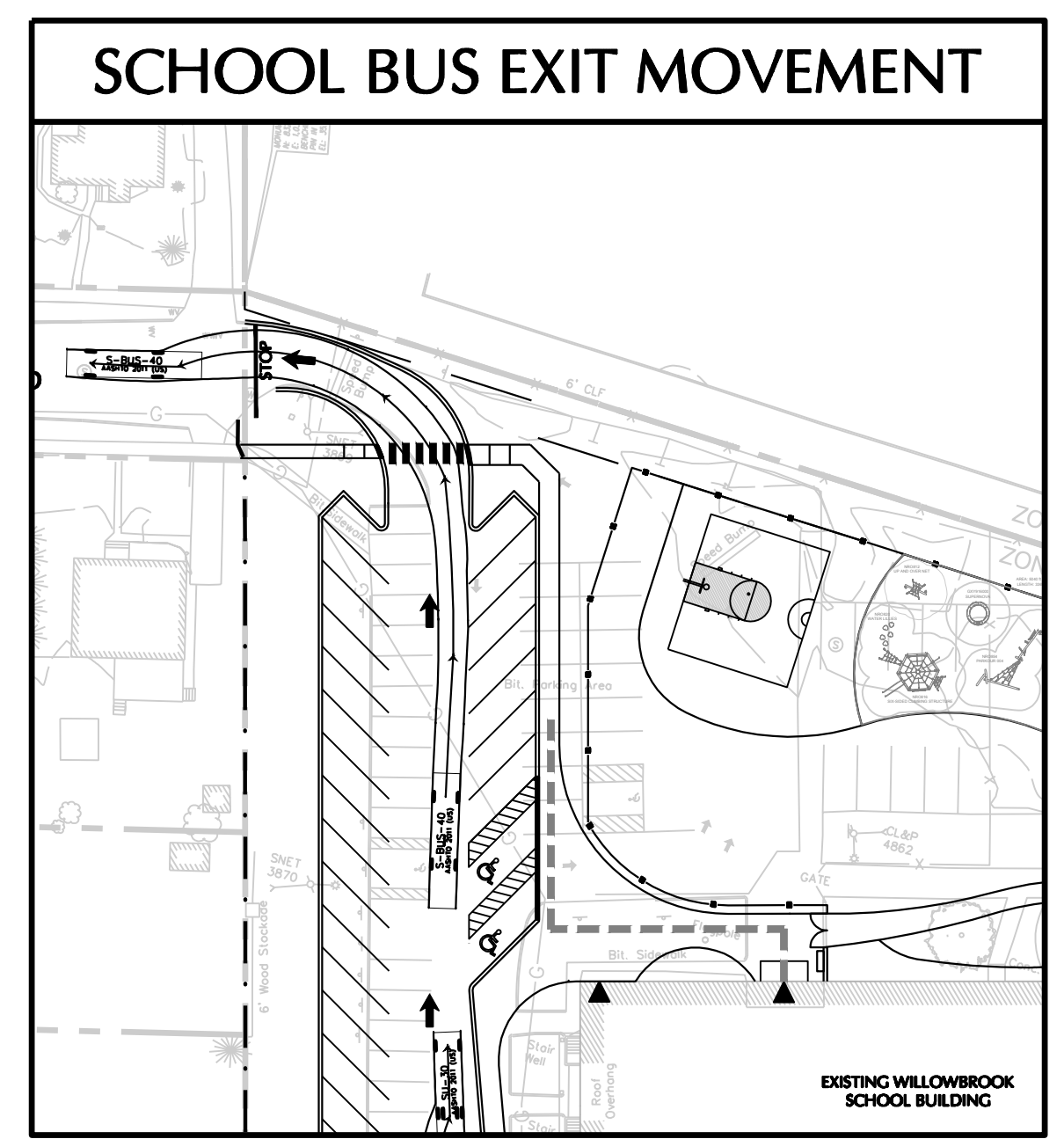
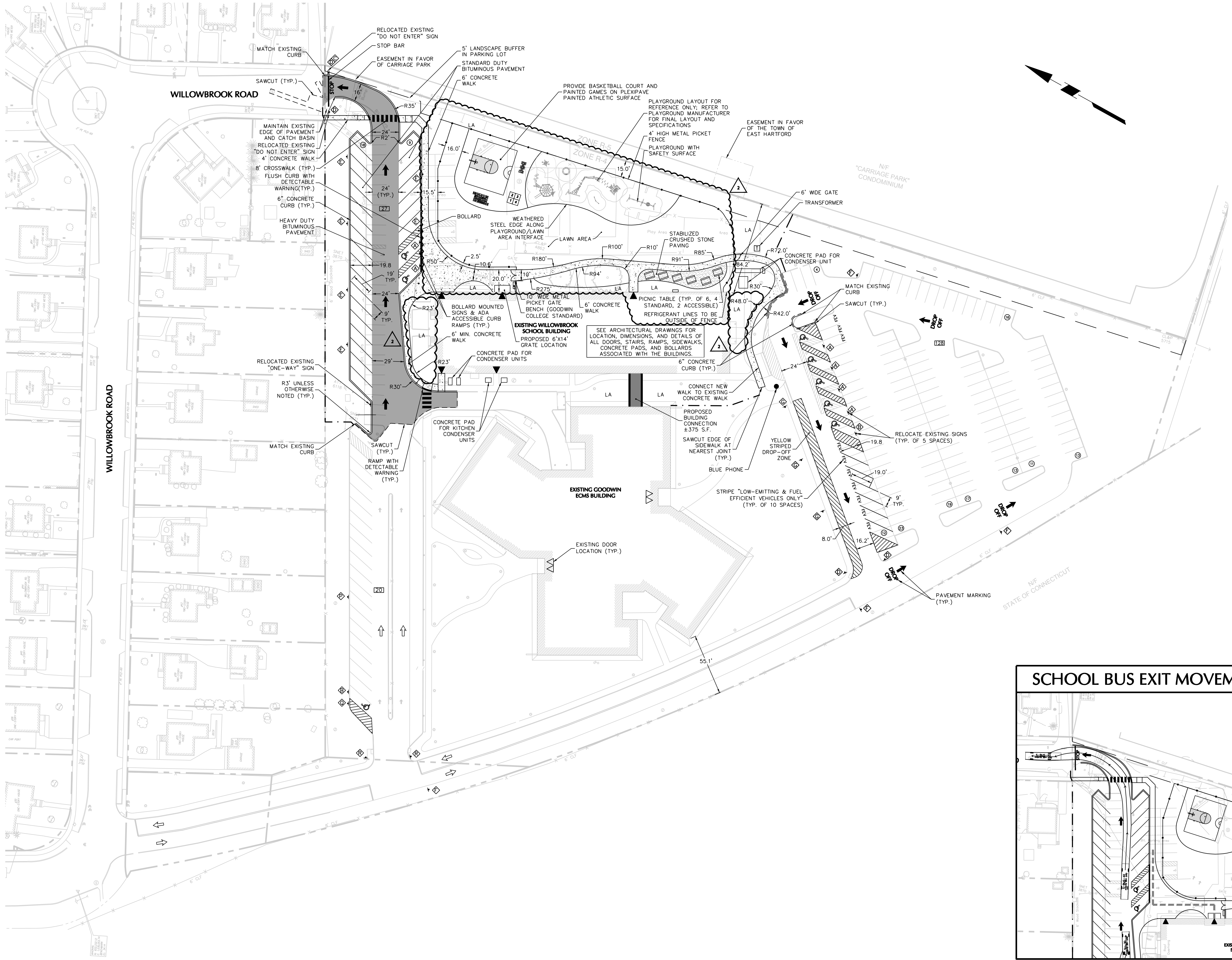


- ### GENERAL NOTES
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 - ACCORDING TO FEMA MAP TITLED "FLOOD INSURANCE RATE MAP HARTFORD COUNTY, CONNECTICUT" PANEL 507 OF 675, MAP NUMBER 0903030507G EFFECTIVE DATE SEPTEMBER 16, 2011 THE ENTIRE SITE FALLS WITHIN FEMA ZONE A (UNSHADED).
 - ALL EXISTING SIGNAGE TO REMAIN UNLESS OTHERWISE NOTED.
 - ANY WORK PERFORMED IN THE RIGHT OF WAY WILL REQUIRE A STREET EXCAVATION PERMIT FROM THE TOWN OF EAST HARTFORD AND MUST CONFORM TO TOWN STANDARDS.

- ### CONTRACTOR NOTES
- THESE PLANS REPRESENT OVERALL SITEWORK REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS AS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS MAY NOT COMPLETELY REPRESENT ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
 - THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL MAKE AND SHALL BE DEEMED TO HAVE MADE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND OWNER'S ENGINEER PRIOR TO COMMENCEMENT OF WORK. THIS INCLUDES A TOPOGRAPHIC SURVEY OF ANY AREAS THE CONTRACTOR REQUIRES ADDITIONAL TOPOGRAPHIC INFORMATION. ANY CONDITIONS THAT DIFFER FROM THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND OWNER'S ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR A CHANGE ORDER.
 - THE CONTRACTOR SHALL PROVIDE WRITTEN REQUESTS FOR INFORMATION TO THE OWNER AND OWNER'S ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM IF ANY SITEWORK ITEM DEPICTED ON THE PLANS WARRANTS ADDITIONAL ENGINEERING INFORMATION REQUIRED FOR CONSTRUCTION AND IS NOT RELATED TO MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITEWORK ITEMS INSTALLED DIFFERENTLY THAN INTENDED AS DEPICTED ON THE PLANS IN THE ABSENCE OF SUBMITTING AND RECEIVING REVIEWS AND/OR DIRECTION ON WRITTEN REQUESTS FOR INFORMATION.
 - IT IS SPECIFICALLY NOTED THAT INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL REVIEW ALL PLANS, PROFILES AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING REQUESTING CLARIFICATION PRIOR TO CONSTRUCTION.
 - THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET, AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
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 - THE CONTRACTOR IS REQUIRED TO KEEP DETAILED RECORDS OF THE CONSTRUCTION COMPLETED. SPECIFICALLY, ALL UNDERGROUND STRUCTURES, DRAINAGE, WATER, SANITARY, GAS, ELECTRIC, COMMUNICATIONS PIPING, CONDUIT OR APPURTENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING, BUT NOT LIMITED TO, FIRE HYDRANTS, WATER VALVES, DRAINAGE AND SEWER CLEANOUTS, LIGHT POLES AND SIGNS SHALL BE RECORDED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE THAT THE WORK IS PERFORMED. ELEVATIONS OF TOP OF WATER PIPING SHALL BE RECORDED AT ALL BENDS, TEES, AND AT ALL STORM DRAINAGE AND SANITARY SEWER CROSSINGS. SANITARY SEWER TOP OR BOTTOM OF PIPE ELEVATIONS SHALL BE RECORDED AT ALL CROSSINGS WITH WATER AND STORM DRAINAGE PIPING. FINISHED GRADE ELEVATIONS AT ALL WATER VALVES, FIRE HYDRANTS, SANITARY MANHOLES, DRAINAGE STRUCTURES AND CLEANOUT LOCATIONS WILL BE RECORDED. CURB AND PAVEMENT FINISHED GRADE ELEVATIONS AT ALL HIGH AND LOW POINTS, ALONG SWALES, CENTERLINES OF ROADS OR DRIVE ASSES, AND IN PARKING AREAS, SHALL BE RECORDED. AS-BUILT SURVEYS OF THESE ITEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND PRIOR TO FINAL PAYMENT BY THE OWNER. THE ENGINEER OF RECORD RESERVES THE RIGHT TO REVIEW THE AS-BUILT SURVEYS AND REQUIRE THE COMPLETED WORK CORRECTED, WHERE DEFICIENCIES WITH RESPECT TO THE CONSTRUCTION DRAWINGS AND THE LOCAL, COUNTY AND STATE STANDARDS ARE NOT ADHERED TO BY THE CONTRACTORS WORK.

SEE SHEET C1.20 FOR WORK REQUIRED OFFSITE



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REVISION LOG:

No.	Description	Date
1	BULLETIN 1	9/5/17
2	BULLETIN 15	4/13/18

PROJECT NAME:

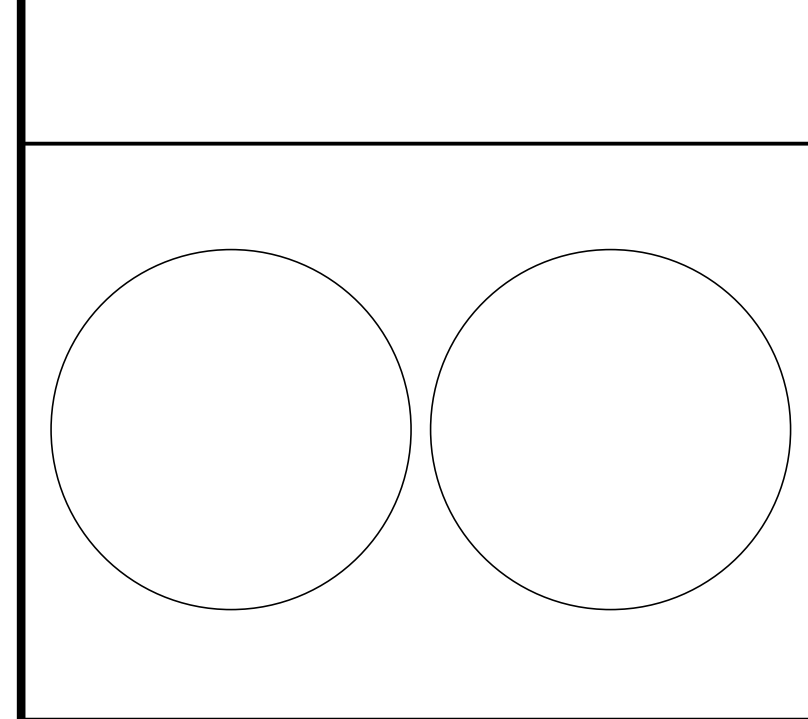
GOODWIN COLLEGE ELEMENTARY SCHOOL

29 WILLOWBROOK ROAD,
 EAST HARTFORD, CT 06118

SCG PROJECT
 # 542-0005 MAG/IN

PHASE:

BID DOCUMENTS



DRAWING TITLE:

SITE PLAN

SCALE: 1"=40'
 DATE: 02/09/2017
 JOB NO: 1576.00

DRAWING NO:
C1.00

GENERAL NOTES

- EXISTING CONDITIONS SHOWN OBTAINED FROM A SURVEY TITLED BOUNDARY AND TOPOGRAPHIC SURVEY GOODWIN COLLEGE PROPERTIES ON ENSON STREET AND WILLOWBROOK ROAD BY ZURIC, CARR AND ASSOCIATES, INC. DATED APRIL 6, 2016.
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GRADING & DRAINAGE NOTES

- ALL PROPOSED STORM DRAINAGE PIPING TO UTILIZE WATER-TIGHT JOINTS.
- LOCATIONS AND ELEVATIONS OF ROOF LEADERS SHOULD BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- CLEANOUTS SHALL BE PROVIDED FLUSH TO GRADE AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.
- ALL REQUIRED STORM LATERALS SERVING THE BUILDINGS SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF EACH BUILDING LATERAL ENTRANCE LOCATION AT THE INVERTS NOTED. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF LATERALS TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR.
- THE SIZES OF ALL DRAINAGE STRUCTURES HAVE BEEN DESIGNED TO ACCOMMODATE PIPE SIZES AND CONFIGURATIONS AS SHOWN. IN THE EVENT THAT PIPE SIZES OR CONFIGURATIONS ARE PROPOSED TO BE MODIFIED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE SIZED STRUCTURES INCLUDING SHOP DRAWINGS AND SUBMITTALS.
- STORM DRAINAGE PIPING INSTALLATION SHALL COMMENCE AT THE FURTHEST DOWNSTREAM POINT AND PROCEED UPSTREAM "IN THE DRY".

ABBREVIATIONS

ABBREVIATIONS ARE AS FOLLOWS:

CLF = CHAIN LINK FENCE	INV = INVERT
TYP = TYPICAL	LF = LINEAR FEET
CB = CATCH BASIN	C.O. = CLEANOUT
MH = MANHOLE	F.E. = FLARED END
RCP = REINFORCED CONCRETE PIPE	LEV = LOW EMITTING VEHICLE
HDPE = HIGH DENSITY POLYETHYLENE PIPE	TS = TOP OF STAIRS
GR = GRATE	BS = BOTTOM OF STAIRS
DIP = DUCTILE IRON PIPE	TW = TOP OF WALL
CMP = CORRUGATED METAL PIPE	BW = BOTTOM OF WALL

CONTRACTOR NOTES

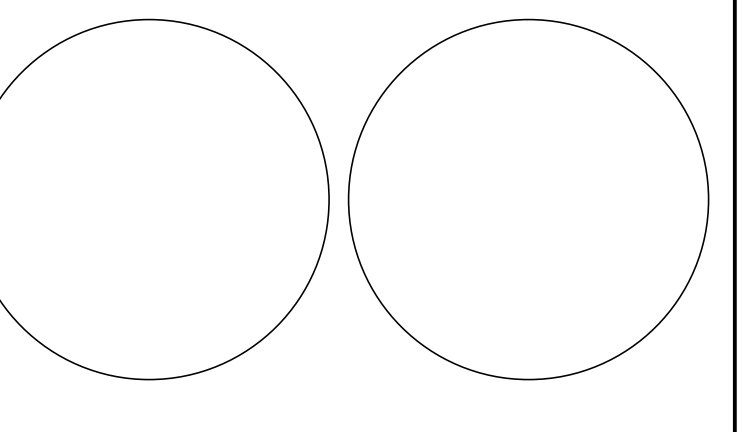
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REVISION LOG:

No.	Description	Date
1	BULLETIN 15	4/13/18

PROJECT NAME:
GOODWIN COLLEGE ELEMENTARY SCHOOL
29 WILLOWBROOK ROAD,
EAST HARTFORD, CT 06118
SCG PROJECT
542-0005 MAG/IN

PHASE:
BID DOCUMENTS



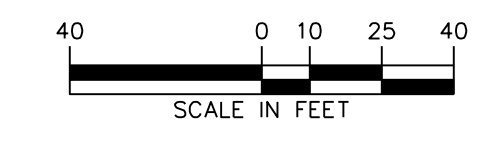
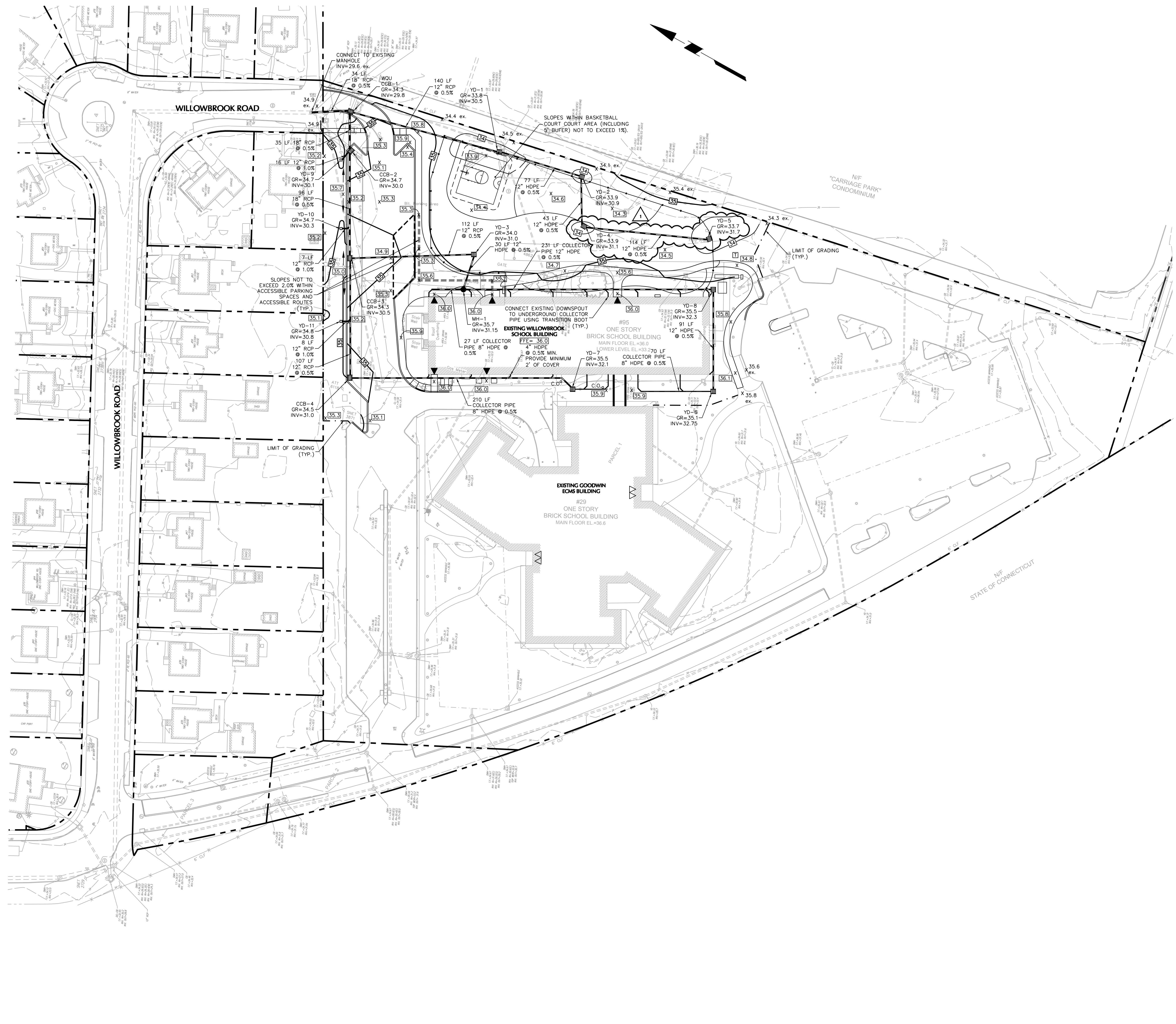
DRAWING TITLE:
GRADING & DRAINAGE PLAN

SCALE: 1"=40'
DATE: 02/09/2017
JOB NO: 1576.00

DRAWING NO:
C2.00

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
BUILDING LINE	---	---
CURB LINE	---	---
LIMIT OF GRADING	---	---
CONTOUR	---	---
SPOT ELEVATION	100.1	100.1
STORM MANHOLE	○	○
CATCH BASIN	□	□
STORM SEWER PIPE	---	---
CLEANOUT	○	○
DOOR LOCATION	▽	▽
ACCESSIBLE ROUTE	---	---



GENERAL NOTES

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LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
R.O.W LINE	---	---
ZONE LINE	---	---
BUILDING LINE	---	---
DOOR LOCATION	▽	▽
SANITARY SEWER LINE	---	---
DOMESTIC WATER LINE	---	---
UNDERGROUND FIRE LINE	---	---
FIRE HYDRANT	▽	▽
GATE VALVE	▽	▽
GAS LINE	---	---
OVERHEAD WIRES	---	---
UTILITY POLE	---	---
UNDERGROUND ELECTRIC	---	---
UNDERGROUND TELEPHONE	---	---
STORM PIPE	---	---
SANITARY MANHOLE	⊙	⊙
SANITARY CLEANOUT	⊙	⊙

UTILITY NOTES

GENERAL:

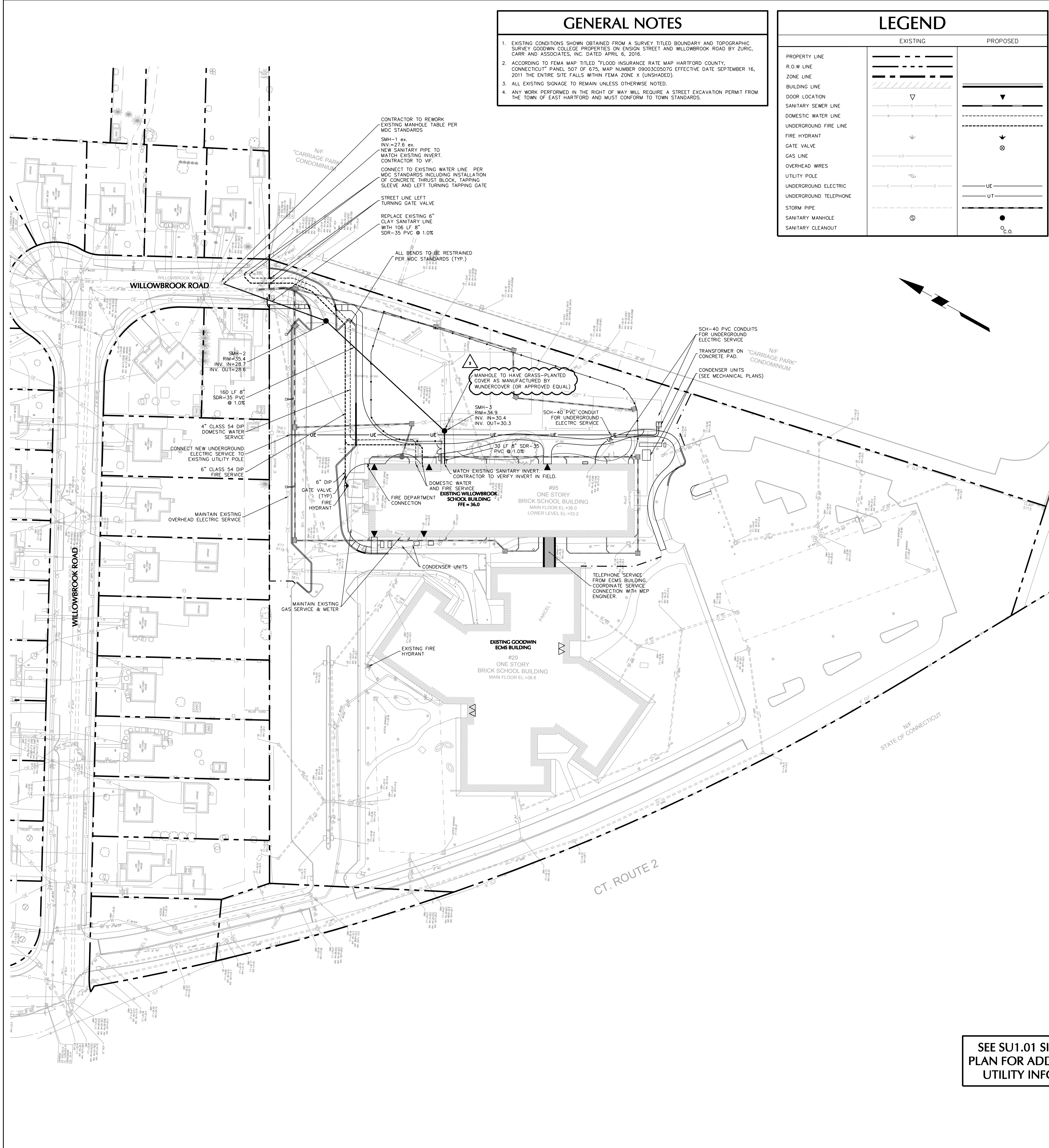
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS (WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE), INVERTS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND REQUIRING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION. DIFFERING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR, THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT AT HIS SOLE COST.
- THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT. THE FOLLOWING UTILITY PROVIDERS ARE APPLICABLE FOR THIS PROJECT:
 - a. WATER & SANITARY SEWER - METROPOLITAN DISTRICT (MDC)
 - b. ELECTRIC - EVERSOURCE
 - c. GAS - CONNECTICUT NATURAL GAS
 - d. TELEPHONE & CABLE - LOCAL UTILITY COMPANY
- ALL UNDERGROUND UTILITIES MUST BE CLEARLY & PERMANENTLY MARKED WITH UNDERGROUND MARKING TAPE AND AS REQUIRED BY THE APPROPRIATE UTILITY COMPANY.
- BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE, ROOF DRAINS, AND ALL OTHER UTILITIES.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ENSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO LOCATION OF AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
- ALL MANHOLE COVERS, GRATES, RIMS, AND UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
- CONTRACTOR TO PROVIDE ALL FITTINGS AND BENDS NECESSARY TO ACCOMPLISH WORK.
- A MINIMUM EIGHTEEN (18) INCHES VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED.
- UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER. HAVING JURISDICTION, IN THE EVENT THAT PAVEMENT REPAIR CANNOT BE PROVIDED DUE TO WEATHER CONDITIONS, PROVIDE TEMPORARY PAVEMENT REPAIR UNTIL PERMANENT REPAIR CAN BE PROVIDED.
- RELOCATION OF UTILITY PROVIDER FACILITIES SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING WITH THE BUILDING ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR ELEMENTS AS NECESSARY.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNERS, THE CIVIL ENGINEER, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.
- ALL REQUIRED UTILITIES SERVING THE BUILDINGS SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF BUILDING UTILITY ENTRANCE LOCATION AT THE INVERTS NOTED. ALL REQUIRED CONNECTION FEES SHALL BE PAID BY THE BUILDING CONTRACTOR. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF UTILITIES TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR.
- THE CONTRACTOR MUST NOTIFY THE TOWN ENGINEERING/DEPARTMENT OF PUBLIC WORKS A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. ALL CONNECTIONS TO TOWN FACILITIES SHALL BE COORDINATED WITH AND WITNESSED BY TOWN DPW PERSONNEL.
- ALL ON-SITE UTILITIES SHALL BE UNDERGROUND, WHERE APPLICABLE.

ELECTRIC, TELEPHONE, & GAS:

- THE LOCATIONS OF EXISTING GAS MAINS ARE APPROXIMATE. THE CONTRACTOR MUST CONSULT THE LOCAL UTILITY COMPANIES FOR ADDITIONAL INFORMATION. ALL PROPOSED GAS WORK AND OTHER ASSOCIATED APPURTENANCES WILL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE, AND FEDERAL REGULATIONS AND REQUIREMENTS.
- THE LOCATION OF EXISTING ELECTRIC LINES ARE APPROXIMATE. THE CONTRACTOR MUST CONSULT THE LOCAL UTILITY COMPANIES FOR ADDITIONAL INFORMATION. ALL REQUIRED ELECTRICAL WORK, TRANSFORMER PADS, AND ASSOCIATED APPURTENANCES WILL BE IN CONFORMANCE WITH APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL GUIDELINES AND REQUIREMENTS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 30 INCHES OF COVER FOR ALL UNDERGROUND ELECTRIC, TELEPHONE AND GAS UTILITIES OR AS REQUIRED BY THE UTILITY COMPANY, WHICHEVER IS MORE RESTRICTIVE.
- ALL DETAILS OF ELECTRIC, GAS, & TELEPHONE UTILITY SERVICE SHALL BE APPROVED BY THE APPLICABLE UTILITY COMPANY AND INSTALLED TO THEIR REQUIREMENTS AS WELL AS THOSE OF THE DIRECTOR OF PUBLIC WORKS.

WATER & SANITARY:

- THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING WATER AND SANITARY SEWER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5 FEET OF COVER FOR ALL WATER DISTRIBUTION PIPING OR PER MDC REQUIREMENTS.
- SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL, 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED WHERE PERMITTED, WHICH SHALL INCLUDE CONCRETE ENCASMENT OF PIPING UNLESS OTHERWISE DIRECTED BY THE UTILITY PROVIDERS AND CIVIL ENGINEER.
- THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, ELBOWS AND PLUGS.
- ALL NEW WATER LINES SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C600, OR THE METROPOLITAN DISTRICT (MDC) REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
- ALL NEW WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651, OR THE METROPOLITAN DISTRICT (MDC) REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
- ALL SANITARY SEWER PIPE TO BE PUSH JOINT POLYVINYL CHLORIDE (PVC) SDR-35. ALL JOINTS BETWEEN PVC PIPE SECTIONS AND BETWEEN PIPE AND PRECAST MANHOLES SHALL HAVE WATER-TIGHT RUBBER GASKET CONNECTIONS. ALL PVC PIPES AND FITTINGS SHALL COMPLY WITH ASTM D3034-93. ALL MAINS SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LOW PRESSURE AIR TEST METHOD.
- WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18-INCHES BETWEEN THE OUTSIDE OF WATER MAIN AND THE OUTSIDE OF SEWER. IN CASES WHERE THE VERTICAL SEPARATION IS LESS THAN 18-INCHES OR AS OTHERWISE SPECIFIED ON THIS DRAWING OR THE PROFILE SHEETS, STORM OR SANITARY SEWER PIPE SHALL BE ENCASED WITH K-KRETE 5-FT MINIMUM IN EACH DIRECTION OF PIPE RUN AND 6-INCHES MINIMUM AROUND THE PIPE DIAMETER. AT ALL CROSSING ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.



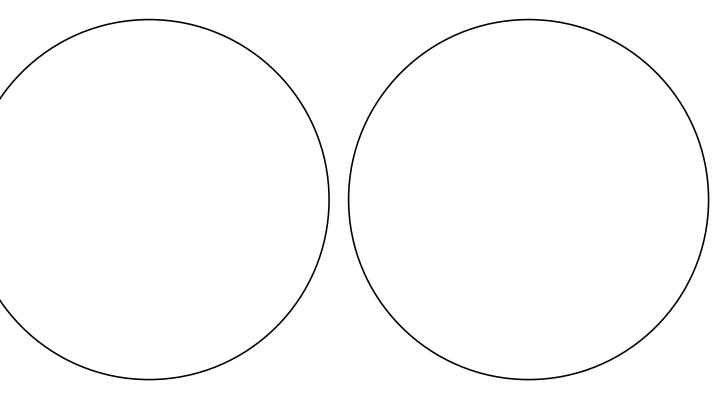
REVISION LOG:

No.	Description	Date
1	BULLETIN 1	9/5/17
2	BULLETIN 2	9/21/17
3	BULLETIN 5	10/05/17
4	BULLETIN 6	10/17/17
5	BULLETIN 15	4/13/18

PROJECT NAME:
GOODWIN COLLEGE ELEMENTARY SCHOOL
29 WILLOWBROOK ROAD,
EAST HARTFORD, CT 06118

SCG PROJECT
542-0005 MAG/N

PHASE:
BID DOCUMENTS

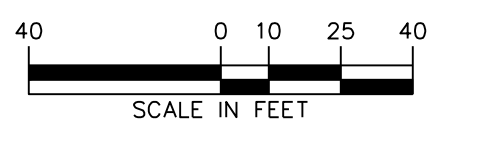


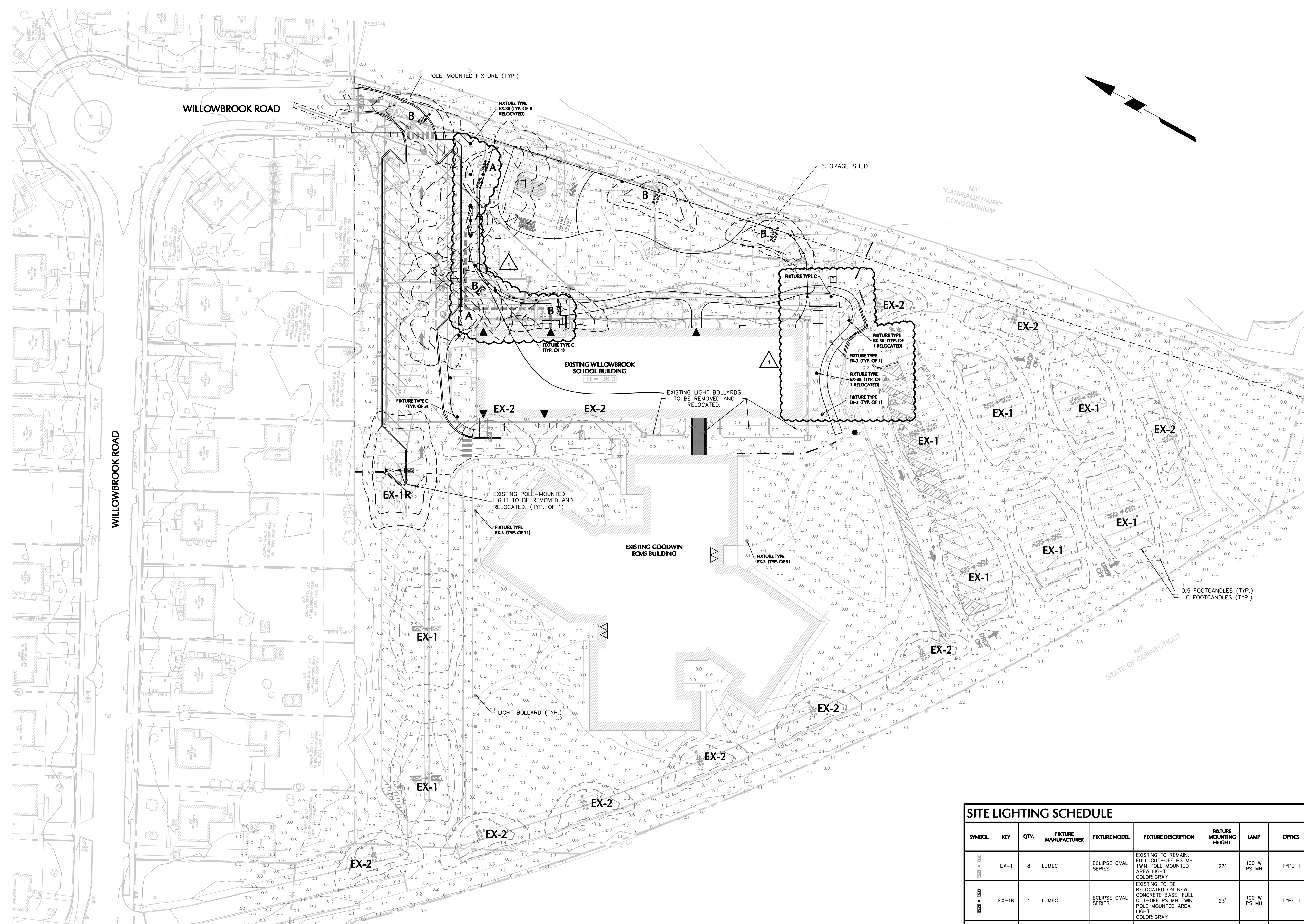
DRAWING TITLE:
UTILITY PLAN

SCALE: 1"=40'
DATE: 02/09/2017
JOB NO: 1576.00

DRAWING NO:
C3.00

SEE SU1.01 SITE UTILITIES PLAN FOR ADDITIONAL SITE UTILITY INFORMATION





CONTRACTOR NOTES

- THESE PLANS REPRESENT OVERALL SITEWORK REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS AS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS MAY NOT COMPLETELY REPRESENT ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
- THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL MAKE AND SHALL BE DEEMED TO HAVE MADE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND OWNER'S ENGINEER PRIOR TO COMMENCEMENT OF WORK. THIS INCLUDES A TOPOGRAPHIC SURVEY OF ANY AREAS THE CONTRACTOR REQUIRES ADDITIONAL TOPOGRAPHIC INFORMATION. ANY CONDITIONS THAT DIFFER FROM THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND OWNER'S ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR A CHANGE ORDER.
- THE CONTRACTOR SHALL PROVIDE WRITTEN REQUESTS FOR INFORMATION TO THE OWNER AND OWNER'S ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM IF ANY SITEWORK ITEM DEPICTED ON THE PLANS WARRANTS ADDITIONAL ENGINEERING INFORMATION REQUIRED FOR CONSTRUCTION AND IS NOT RELATED TO MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITEWORK ITEMS INSTALLED DIFFERENTLY THAN INTENDED AS DEPICTED ON THE PLANS IN THE ABSENCE OF SUBMITTING AND RECEIVING REVIEWS AND/OR DIRECTION ON WRITTEN REQUESTS FOR INFORMATION.
- IT IS SPECIFICALLY NOTED THAT INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL REVIEW ALL PLANS, PROFILES AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING REQUESTING CLARIFICATION PRIOR TO CONSTRUCTION.
- THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET, AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC MEASURES (INCLUDING DESIGN AND PERMITTING) AS REQUIRED BY THE LOCAL, COUNTY, OR STATE AGENCY HAVING JURISDICTION.
- THE CONTRACTOR IS REQUIRED TO KEEP DETAILED RECORDS OF THE CONSTRUCTION COMPLETED. SPECIFICALLY, ALL UNDERGROUND STRUCTURES, DRAINAGE, WATER, SANITARY, GAS, ELECTRIC, COMMUNICATIONS PIPING, CONDUIT OR APPURTENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING, BUT NOT LIMITED TO, FIRE HYDRANTS, WATER VALVES, DRAINAGE AND SEWER CLEANOUTS, LIGHT POLES AND SIGNS SHALL BE RECORDED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE THAT THE WORK IS PERFORMED. ELEVATIONS OF TOP OF WATER PIPING SHALL BE RECORDED AT ALL BENDS, TEES, AND AT ALL STORM DRAINAGE AND SANITARY SEWER CROSSINGS. SANITARY SEWER TOP OR BOTTOM OF PIPE ELEVATIONS SHALL BE RECORDED AT ALL CROSSINGS WITH WATER AND STORM DRAINAGE PIPING. FINISHED GRADE ELEVATIONS AT ALL WATER VALVES, FIRE HYDRANTS, SANITARY MANHOLES, DRAINAGE STRUCTURES AND CLEANOUT LOCATIONS WILL BE RECORDED. CURBS AND PAVEMENT FINISHED GRADE ELEVATIONS AT ALL HIGH AND LOW POINTS, ALONG SWALES, CENTERLINES OF ROADS OR DRIVE AISLES, AND IN PARKING AREAS, SHALL BE RECORDED. AS-BUILT SURVEYS OF THESE ITEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND PRIOR TO FINAL PAYMENT BY THE OWNER. THE ENGINEER OF RECORD RESERVES THE RIGHT TO REVIEW THE AS-BUILT SURVEYS AND REQUIRE THE COMPLETED WORK CORRECTED, WHERE DEFICIENCIES WITH RESPECT TO THE CONSTRUCTION DRAWINGS AND THE LOCAL, COUNTY AND STATE STANDARDS ARE NOT ADHERED TO BY THE CONTRACTOR'S WORK.

REVISION LOG:

No.	Description	Date
1	BULLETIN 15	4/13/18

PROJECT NAME:
GOODWIN COLLEGE ELEMENTARY SCHOOL
29 WILLOWBROOK ROAD,
EAST HARTFORD, CT 06118
SCG PROJECT
542-0005 MAG/IN

PHASE:
BID DOCUMENTS

DRAWING TITLE:
LIGHTING PLAN

SCALE: 1" = 40'
DATE: 02/09/2017
JOB NO: 1576.00

DRAWING NO:
L1.00

SYMBOL	KEY	QTY.	FIXTURE MANUFACTURER	FIXTURE MODEL	FIXTURE DESCRIPTION	FIXTURE MOUNTING HEIGHT	LAMP	OPTICS	LUMENS	LLF	IES FILE	FIXTURE CATALOGUE NO.	POLE DESCRIPTION	POLE LENGTH	POLE CATALOGUE NO.	REMARKS
[Symbol]	EX-1	8	LUMEC	ECLIPSE OVAL SERIES	EXISTING TO REMAIN. FULL CUT-OFF PS MH TWIN POLE MOUNTED AREA LIGHT. COLOR: GRAY.	23'	100 W PS MH	TYPE II	8,100	0.81	OVAL-100MH-2H (S0310061).IES	ECL2-100MH-2 H-208-LEDG-2 0-5-GY3/TK	TAPERED STEEL ROUND POLE. COLOR: GRAY.	20'	ECL-STEEL	EXISTING FIXTURE AND POLE MOUNTED ON 3'-0" CONCRETE BASE TO REMAIN.
[Symbol]	EX-1R	1	LUMEC	ECLIPSE OVAL SERIES	EXISTING TO BE RELOCATED ON NEW CONCRETE BASE. FULL CUT-OFF PS MH TWIN POLE MOUNTED AREA LIGHT. COLOR: GRAY.	23'	100 W PS MH	TYPE II	8,100	0.81	OVAL-100MH-2H (S0310061).IES	ECL2-100MH-2 H-208-LEDG-2 0-5-GY3/TK	TAPERED STEEL ROUND POLE. COLOR: GRAY.	20'	ECL-STEEL	EXISTING FIXTURE AND POLE MOUNTED ON NEW 3'-0" CONCRETE BASE.
[Symbol]	EX-2	11	LUMEC	ECLIPSE OVAL SERIES	EXISTING TO REMAIN. FULL CUT-OFF PS MH POLE MOUNTED AREA LIGHT WITH HOUSE SIDE SHIELD. COLOR: GRAY.	23'	100 W PS MH	TYPE II W/ HOUSE SIDE SHIELD	8,100	0.81	OVAL-100MH-2H-HS (S0802122).IES	ECL1-100MH-2H H-208-LEDG-2 20-5-GY3/TK	TAPERED STEEL ROUND POLE. COLOR: GRAY.	20'	ECL-STEEL	EXISTING FIXTURE AND POLE MOUNTED ON 3'-0" CONCRETE BASE TO REMAIN.
[Symbol]	EX-3R	18	LUMEC	BORRO-W	EXISTING TO REMAIN. LIGHT BOLLARD. COLOR: GRAY.	39"	42 W CF	TYPE V	5,200	0.81	DV2-70MH (S0501081).IES	BORRO-W-42CF -GL-0-VOLT-V PA-GY3/TK	GX240-4 BASE	--	--	EXISTING LIGHT BOLLARD TO REMAIN.
[Symbol]	EX-3R	6	LUMEC	BORRO-W	EXISTING TO BE RELOCATED ON NEW CONCRETE BASE. LIGHT BOLLARD. COLOR: GRAY.	39"	42 W CF	TYPE V	5,200	0.81	DV2-70MH (S0501081).IES	BORRO-W-42CF -GL-0-VOLT-V PA-GY3/TK	GX240-4 BASE	--	--	EXISTING LIGHT BOLLARD TO BE RELOCATED.
[Symbol]	A	3	LUMEC	ECLIPSE OVAL SERIES	PROPOSED FULL CUT-OFF PS MH TWIN POLE MOUNTED AREA LIGHT. ROTATED OPTICS 30'. COLOR: GRAY.	23'	100 W PS MH	TYPE IV W/ HOUSE SIDE SHIELD	8,100	0.81	OVAL-100MH-4H-HS (S0802121).IES	ECL2-100MH-4 H-208-LEDG-2 0-5-GY3/TK	TAPERED STEEL ROUND POLE. COLOR: GRAY.	20'	ECL-STEEL	MOUNTED ON 3'-0" CONCRETE BASE. PROPOSED FIXTURE AND POLE TO MATCH EXISTING FIXTURES.
[Symbol]	B	5	LUMEC	ECLIPSE OVAL SERIES	PROPOSED FULL CUT-OFF PS MH POLE MOUNTED AREA LIGHT WITH HOUSE SIDE SHIELD. COLOR: GRAY.	23'	100 W PS MH	TYPE II W/ HOUSE SIDE SHIELD	8,100	0.81	OVAL-100MH-2H-HS (S0802122).IES	ECL1-100MH-2H H-208-LEDG-2 20-5-GY3/TK	TAPERED STEEL ROUND POLE. COLOR: GRAY.	20'	ECL-STEEL	MOUNTED ON 3'-0" CONCRETE BASE. PROPOSED FIXTURE AND POLE TO MATCH EXISTING FIXTURES.
[Symbol]	C	5	LUMEC	BORRO-W	PROPOSED LIGHT BOLLARD. COLOR: GRAY.	39"	42 W CF	TYPE V	5,200	0.81	DV2-70MH (S0501081).IES	BORRO-W-42CF -GL-0-VOLT-V PA-GY3/TK	GX240-4 BASE	--	--	PROPOSED LIGHT BOLLARD TO MATCH EXISTING LIGHT BOLLARDS.

NOTE: PER GOODWIN COLLEGE'S NEW STANDARD, POLE-MOUNTED FIXTURES MAY BE SUBSTITUTED WITH LED OPTICS, MAINTAINING A SIMILAR OUTPUT IN FOOTCANDLE VALUES.

STATISTICS					
DESCRIPTION	AVG.	MAX.	MIN.	MAX/MIN	AVG/MIN
TRAINING & DRIVE WISE	1.1 FC	5.0 FC	0.2 FC	25.0:1	5.5:1

LIGHT PHOTOMETRY AND CALCULATIONS FOR EXISTING STREET LIGHTS ARE NOT INCLUDED IN THE ABOVE STATISTICS.



REVISION LOG:

No.	Description	Date
1	BULLETIN 15	4/13/18

PROJECT NAME:
GOODWIN COLLEGE ELEMENTARY SCHOOL
29 WILLOWBROOK ROAD,
EAST HARTFORD, CT 06118

SCG PROJECT
542-0005 MAG/N

PHASE:

BID DOCUMENTS

DRAWING TITLE:

LANDSCAPE TRANSPLANT PLAN

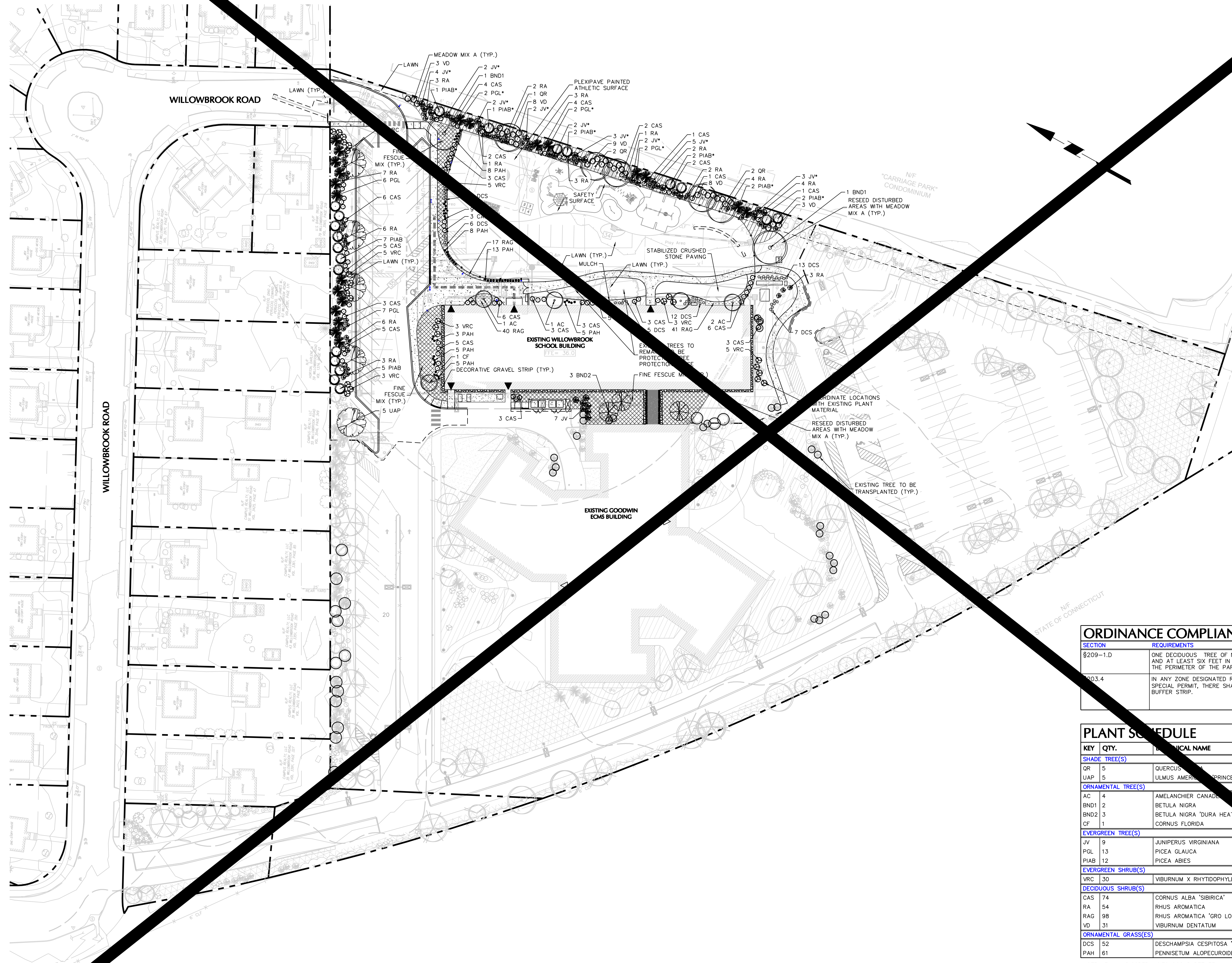
SCALE: 1" = 40'

DATE: 11/22/2016

JOB NO: 1576.00

DRAWING NO:

L2.10



CONTRACTOR NOTES

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ORDINANCE COMPLIANCE CHART

SECTION	REQUIREMENTS	CALCULATIONS	COMPLIANCE
§209-1.D	ONE DECIDUOUS TREE OF NOT LESS THAN A THREE INCH CALIPER AND AT LEAST SIX FEET IN HEIGHT, FOR EVERY FIFTY FEET ALONG THE PERIMETER OF THE PARKING AREA.	±230 LF OF PARKING/ 50 FT = 4.6 PROVIDED: 5 TREES	COMPLIES
§203.4	IN ANY ZONE DESIGNATED RESIDENTIAL WHERE THE USE REQUIRES A SPECIAL PERMIT, THERE SHALL BE FIFTEEN (15) FOOT LANDSCAPED BUFFER STRIP.	PROVIDED: 15' EVERGREEN BUFFER STRIP.	COMPLIES

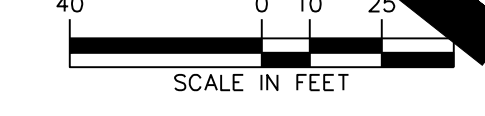
PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREE(S)						
QR	5	QUERCUS	RED OAK	2 1/2-3" CAL.	B+B	-
UAP	5	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2 1/2-3" CAL.	B+B	-
ORNAMENTAL TREE(S)						
AC	4	AMELANCHIER CANADENSIS	MULTI STEM SHAD-BLOW SERVICEBERRY	8-10'	B+B	-
BND2	2	BETULA NIGRA	MULTI STEM RIVER BIRCH	12-14'	B+B	-
DURA	3	DURA HEAT RIVER BIRCH	DURA HEAT RIVER BIRCH	10-12'	B+B	-
CF	1	CORNUS FLORIDA	WHITE FLOWERING DOGWOOD	2-2 1/2" CAL.	B+B	-
EVERGREEN TREE(S)						
JV	9	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8-10'	B+B	-
PGL	13	PICEA GLAUCA	WHITE SPRUCE	6-7'	B+B	-
PIAB	12	PICEA ABIES	NORWAY SPRUCE	6-7'	B+B	-
EVERGREEN SHRUB(S)						
VRC	30	VIBURNUM X RHYTIDOPHYLLUM 'CREE'	HEATHERLEAF VIBURNUM	24-30"	B&B	-
DECIDUOUS SHRUB(S)						
CAS	174	CORNUS ALBA 'SIBIRICA'	SIBERIAN DOGWOOD	2-3'	B+B	-
RA	54	RHUS AROMATICA	SUMAC	18-24"	CONTAINER	-
RAG	98	RHUS AROMATICA 'GRO LOW'	GRO LOW FRAGRANT SUMAC	18-24"	CONTAINER	24" O.C.
VD	31	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	3-4'	B+B	-
ORNAMENTAL GRASS(ES)						
DCS	52	DESCHAMPSIA CESPITOSA 'SCHOTLAND'	SCOTTISH TUFTED HAIR GRASS	2 GAL.	CONTAINER	-
PAH	61	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER	-

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL PREVAIL.

TRANSPLANT PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
EVERGREEN TREE(S)						
JYV	25	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	-	-	-
PGL	8	PICEA GLAUCA	WHITE SPRUCE	-	-	-
PIAB	8	PICEA ABIES	NORWAY SPRUCE	-	-	-



IRRIGATION NOTES:

- LANDSCAPE AREAS SHALL BE IRRIGATED WITH POP-UP SPRAY AND ROTARY IRRIGATION HEADS IN SUFFICIENT DENSITY TO COVER THE ENTIRE AREA.
- CONTRACTOR TO AVOID DISTURBANCE OF EXISTING PLANT MATERIAL, WHEN LOCATING VALVES AND PIPE LINES, ANY PLANT MATERIAL DAMAGED AS A RESULT OF IRRIGATION INSTALLATION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXCAVATION MATERIAL SHALL BE PLACED BACK IN TRENCHES.
- ALL DISTURBED LANDSCAPE AND PAVED AREAS SHALL BE RESTORED TO THE CONDITION FOUND PRIOR TO START OF INSTALLATION.
- DEPTH OF TRENCHES SHALL BE SUFFICIENT OR PROVIDE A MINIMUM COVER ABOVE THE TOP OF PIPE AS FOLLOWS:
12" OVER NON-PRESSURE LATERAL LINES
18" OVER NON-PRESSURE LATERAL LINES UNDER PAVING
18" OVER CONTROL WIRES
18" OVER MAIN LINE
24" OVER MAIN LINE UNDER PAVING
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION OF THE PLUMBING TIE-INS, SLEEVES UNDER PAVEMENTS (AS NECESSARY), AND CONTROL DEVICES WITH THE GENERAL CONTRACTOR, OWNER, AND OWNER'S REPRESENTATIVE.
- CONTRACTOR TO COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH EXISTING AND PROPOSED UTILITIES, SITE DRAINAGE SYSTEMS, AND PAVING.
- CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE SHOULD ANY UTILITIES, NOT SHOWN ON THE PLANS, BE FOUND DURING INSTALLATION WORK.
- WATERPROOF ALL WIRE CONNECTORS USING 3M "DIP" WATERPROOF CONNECTORS OR EQUIVALENT.
- DRAIN VALVES ARE TO BE PROVIDED AT SUFFICIENT INTERVALS TO PROVIDE COMPLETE DRAINAGE OF ALL PIPING.
- COORDINATE THE LOCATION OF CONTROLS, IRRIGATION CONTROLLER, AND SOIL MOISTURE SENSORS WITH THE PROJECT MEP AND OWNER PRIOR TO INSTALLATION.
- IRRIGATION CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO IRRIGATION DESIGN WHERE REQUIRED TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS, AS DESIGNATED ON THIS PLAN.
- INSTALLATION MUST COMPLY WITH ALL LOCAL CODES AND CONDITIONS.
- ALL IRRIGATION WORK SHALL BE GUARANTEED FOR 1 YEAR AFTER COMPLETION OF ALL WORK.
- CONTRACTOR TO PROVIDE THREE (3) COPIES OF AS-BUILTS, SERVICE MANUALS AND INSTRUCTIONS TO THE OWNER OR OWNER'S REPRESENTATIVE.
- ALL SPRINKLER HEADS SHALL BE SET BACK 4" MINIMUM FROM BACK OF ALL CURBS.
- CONTRACTOR MAY SUBMIT ALTERNATE EQUIVALENT MATERIALS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE OR PROJECT LANDSCAPE ARCHITECT.


CONTRACTOR NOTE:

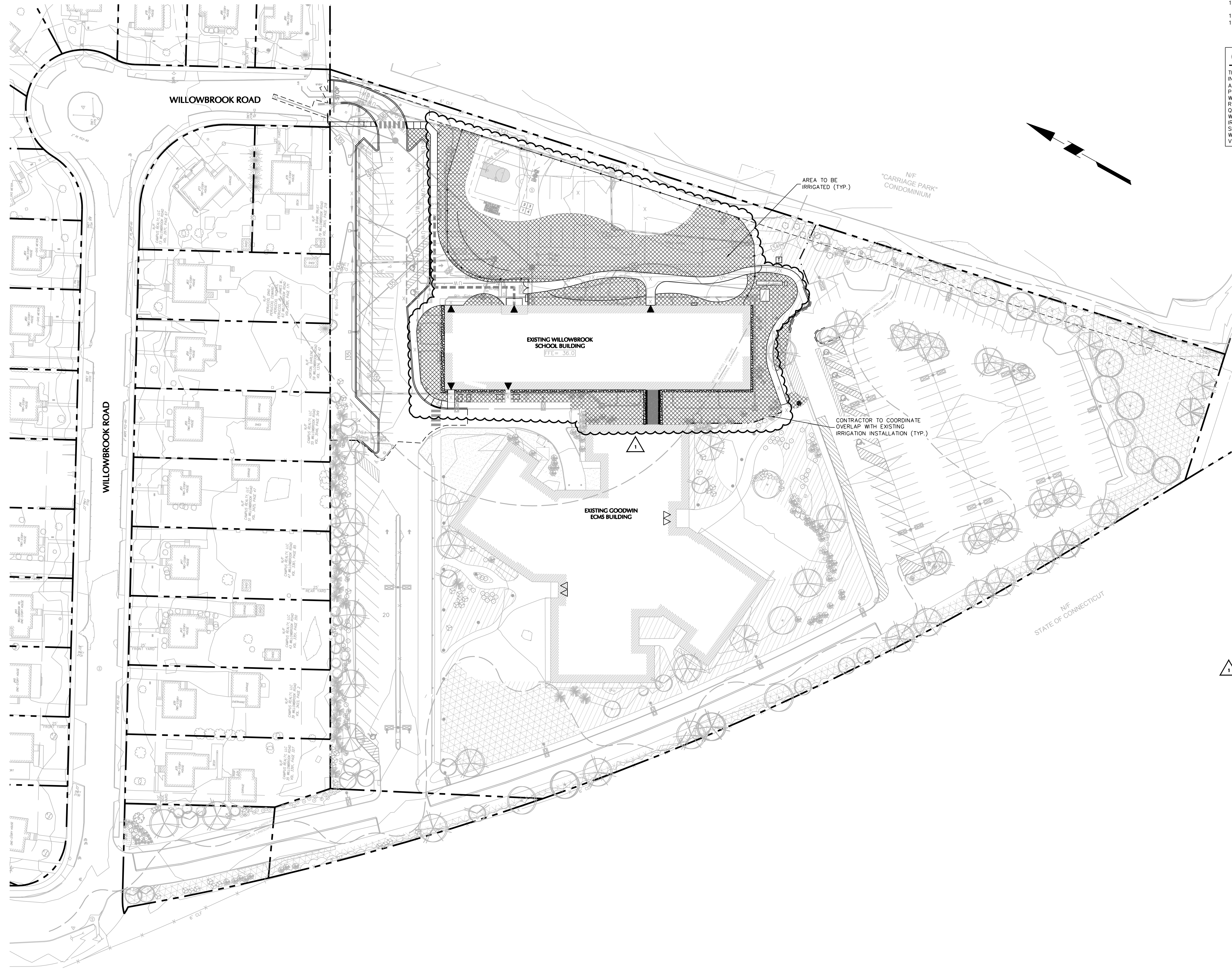
THE IRRIGATION CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF THE IRRIGATION INSTALLATION PLAN AND CUT-SHEETS FOR ALL COMPONENTS FOR REVIEW AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. THE IRRIGATION INSTALLATION PLAN SHALL BE COMPLETE WITH ZONE DESIGNATIONS AND WATER USAGE IN GALLONS PER MINUTE PER ZONE, RUN TIME SCHEDULE, LEGEND OF COMPONENTS AND PLAN GRAPHICS WITH QUANTITIES, MINIMUM SYSTEM REQUIREMENTS INCLUDING STATIC PRESSURE AT THE WATER CONNECTION POINT, ESTIMATED WATER BUDGET, CONSTRUCTION DETAILS AND IRRIGATION NOTES. THE PLAN SHALL ALSO INCLUDE LOCATIONS OF ALL PROPOSED SLEEVES AND THEIR SIZES, LOCATIONS OF ALL LATERAL LINE SIZE STEP-DOWNS WITH SIZE INDICATIONS, LOCATION OF ALL SOIL MOISTURE SENSORS, CONTROLLER, VALVES AND ALL OTHER COMPONENTS NECESSARY FOR THE SYSTEMS OPERATION.

CONTRACTOR NOTES

- THESE PLANS REPRESENT OVERALL SITEWORK REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS AS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
- THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL MAKE AND SHALL BE DEEMED TO HAVE MADE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND OWNER'S ENGINEER PRIOR TO COMMENCEMENT OF WORK. THIS INCLUDES A TOPOGRAPHIC SURVEY OF ANY AREAS THE CONTRACTOR REQUIRES ADDITIONAL TOPOGRAPHIC INFORMATION. ANY CONDITIONS THAT DIFFER FROM THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND OWNER'S ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR A CHANGE ORDER.
- THE CONTRACTOR SHALL PROVIDE WRITTEN REQUESTS FOR INFORMATION TO THE OWNER AND OWNER'S ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM IF ANY SITEWORK ITEM DEPICTED ON THE PLANS WARRANTS ADDITIONAL ENGINEERING INFORMATION REQUIRED FOR CONSTRUCTION AND IS NOT RELATED TO MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITEWORK ITEMS INSTALLED DIFFERENTLY THAN INTENDED AS DEPICTED ON THE PLANS IN THE ABSENCE OF SUBMITTING AND RECEIVING REVIEWS AND/OR DIRECTION ON WRITTEN REQUESTS FOR INFORMATION.
- IT IS SPECIFICALLY NOTED THAT INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL REVIEW ALL PLANS, PROFILES AND ANY INFORMATION/DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER IN WRITING REQUESTING CLARIFICATION PRIOR TO CONSTRUCTION.
- THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET, AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC MEASURES (INCLUDING DESIGN AND PERMITTING) AS REQUIRED BY THE LOCAL, COUNTY, OR STATE AGENCY HAVING JURISDICTION.
- THE CONTRACTOR IS REQUIRED TO KEEP DETAILED RECORDS OF THE CONSTRUCTION COMPLETED. SPECIFICALLY, ALL UNDERGROUND STRUCTURES, DRAINAGE, WATER, SANITARY, GAS, ELECTRIC, COMMUNICATIONS PIPING, CONDUIT OR APPURTENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING, BUT NOT LIMITED TO, FIRE HYDRANTS, WATER VALVES, DRAINAGE AND SEWER CLEANOUTS, LIGHT POLES AND SIGNS SHALL BE RECORDED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE THAT THE WORK IS PERFORMED. ELEVATIONS OF TOP OF WATER PIPING SHALL BE RECORDED AT ALL BENDS, TEES, AND AT ALL STORM DRAINAGE AND SANITARY SEWER CROSSINGS. SANITARY SEWER TOP OR BOTTOM OF PIPE ELEVATIONS SHALL BE RECORDED AT ALL CROSSINGS WITH WATER AND STORM DRAINAGE PIPING. FINISHED GRADE ELEVATIONS AT ALL WATER VALVES, FIRE HYDRANTS, SANITARY MANHOLES, DRAINAGE STRUCTURES AND CLEANOUT LOCATIONS WILL BE RECORDED. CURB AND PAVEMENT FINISHED GRADE ELEVATIONS AT ALL HIGH AND LOW POINTS, ALONG SWALES, CENTERLINES OF ROADS OR DRIVE AISLES, AND IN PARKING AREAS, SHALL BE RECORDED. AS-BUILT SURVEYS OF THESE ITEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND PRIOR TO FINAL PAYMENT BY THE OWNER. THE ENGINEER OF RECORD RESERVES THE RIGHT TO REVIEW THE AS-BUILT SURVEYS AND REQUIRE THE COMPLETED WORK CORRECTED, WHERE DEFICIENCIES WITH RESPECT TO THE CONSTRUCTION DRAWINGS AND THE LOCAL, COUNTY AND STATE STANDARDS ARE NOT ADHERED TO BY THE CONTRACTOR'S WORK.

LEGEND

 AREA TO BE IRRIGATED
TOTAL AREA: 27,500 SF



REVISION LOG:

No.	Description	Date
1	BULLETIN 15	4/13/18

PROJECT NAME:
GOODWIN COLLEGE ELEMENTARY SCHOOL
29 WILLOWBROOK ROAD,
EAST HARTFORD, CT 06118
SCG PROJECT
542-0005 MAG/N

PHASE:
BID DOCUMENTS

DRAWING TITLE:
IRRIGATED AREA PLAN

SCALE: 1"=40'
DATE: 02/09/2017
JOB NO: 1576.00

DRAWING NO:
L3.00

