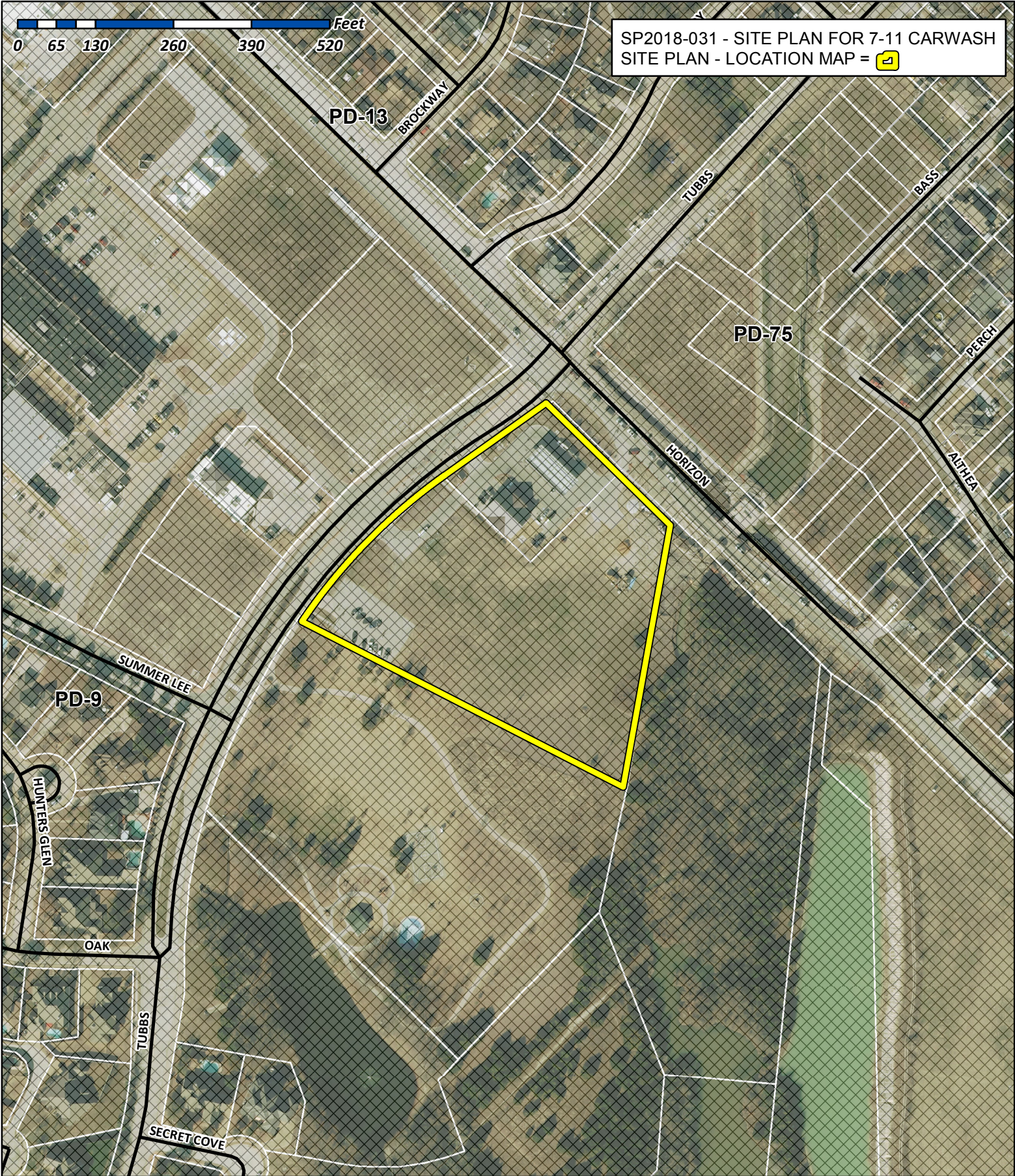




SP2018-031 - SITE PLAN FOR 7-11 CARWASH  
SITE PLAN - LOCATION MAP =



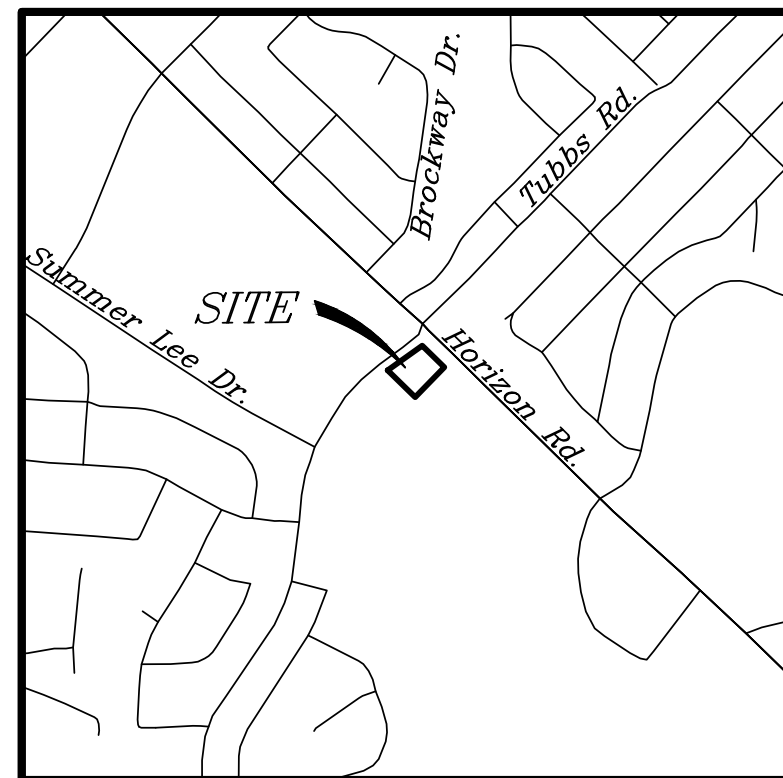
# City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75032  
(P): (972) 771-7745  
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



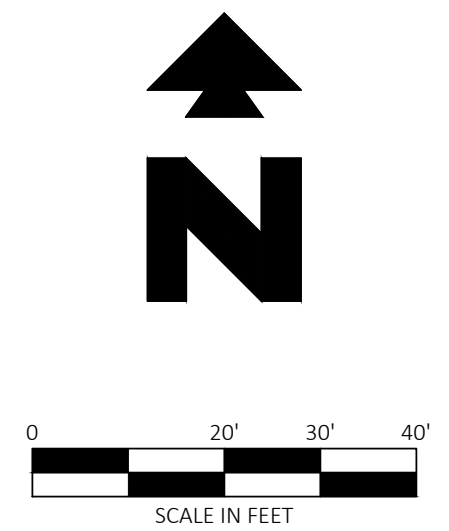




**Vicinity Map**

Not to Scale  
Latitude: 32.883939°  
Longitude: -96.462854°

**SITE BENCHMARK**  
BENCHMARK #1:  
A CUT 3" X 3" CONCRETE ON A CURB INLET NORTHEAST OF THE  
ACCESS TO SUBJECT PROPERTY FROM TUBBS RD. ELEV=115.11'  
NAVD88



NOTE:  
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF  
POLES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING  
UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

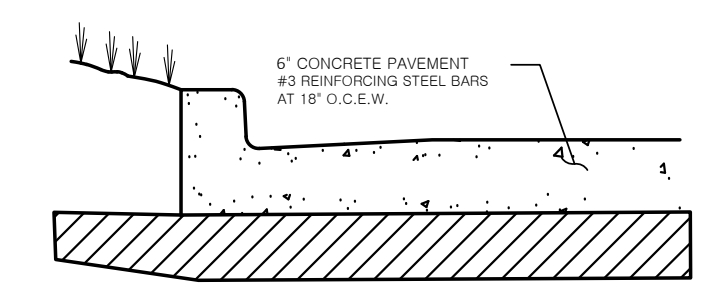
SITE INFORMATION TABLE	
ZONING	PD - "PLANNED DEVELOPMENT 9" FOR GENERAL RETAIL (GR) DISTRICT LAND USES
PROPOSED LAND USE	CONVENIENCE STORE WITH FUEL SALES AND CAR WASH
EXISTING LOT SIZE	39,355 SF/0.90 AC
PROPOSED LOT SIZE	43,397 SF/1.00 AC

**LEGEND**

EXISTING			
e	EAST OR ELECTRIC	OHT	OVERHEAD TELEPHONE
n	NORTH	OHTV	OVERHEAD TV
os	SOUTH OR SEWER	X"SS	SANITARY SEWER
t	TELEPHONE	UGE	UNDERGROUND ELECTRIC
ue	UNDERGROUND WEST OR WATER	UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
w	WEST OR WATER	UGT	UNDERGROUND TELEPHONE
---	PROPERTY LINE	UGTV	UNDERGROUND TV
---	RIGHT OF WAY LINE	X"W	WATER
---	STORM DRAIN	-5-10-11 50.5	TREE INFO
X"G	GAS		.5 = DIAMETER OF TRUNK IN FEET
OHE	OVERHEAD ELECTRIC		10 = HEIGHT OF TREE IN FEET
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE		11 = CANOPY DIAMETER IN FEET
			50.5 = ELEVATION AT BASE OF TREE

- SITE DETAILS**
- 01A TYPE A CONCRETE CURB AND GUTTER
  - 10A TRAFFIC FLOW ARROW
  - 11A DO NOT ENTER SIGN
  - 11J ONE WAY SIGN
- SITE NOTES**
- 02E TRASH DUMPSTER ENCLOSURE (PER ARCH. PLANS).
  - 08B OVERHEAD CANOPY - (TYP - PER ARCH. PLANS).
  - 21G AIR VACUUM UNIT (SEE JGD SHEET FT-1 FOR CONDUIT SIZE)
  - 70A P.O.S SYSTEM FOR CAR WASH (PER ARCH. PLANS).
  - 70B TIMER FOR CARWASH (PER ARCH. PLANS).
  - 70C LIGHT POLE. (PER ARCH. PLANS).

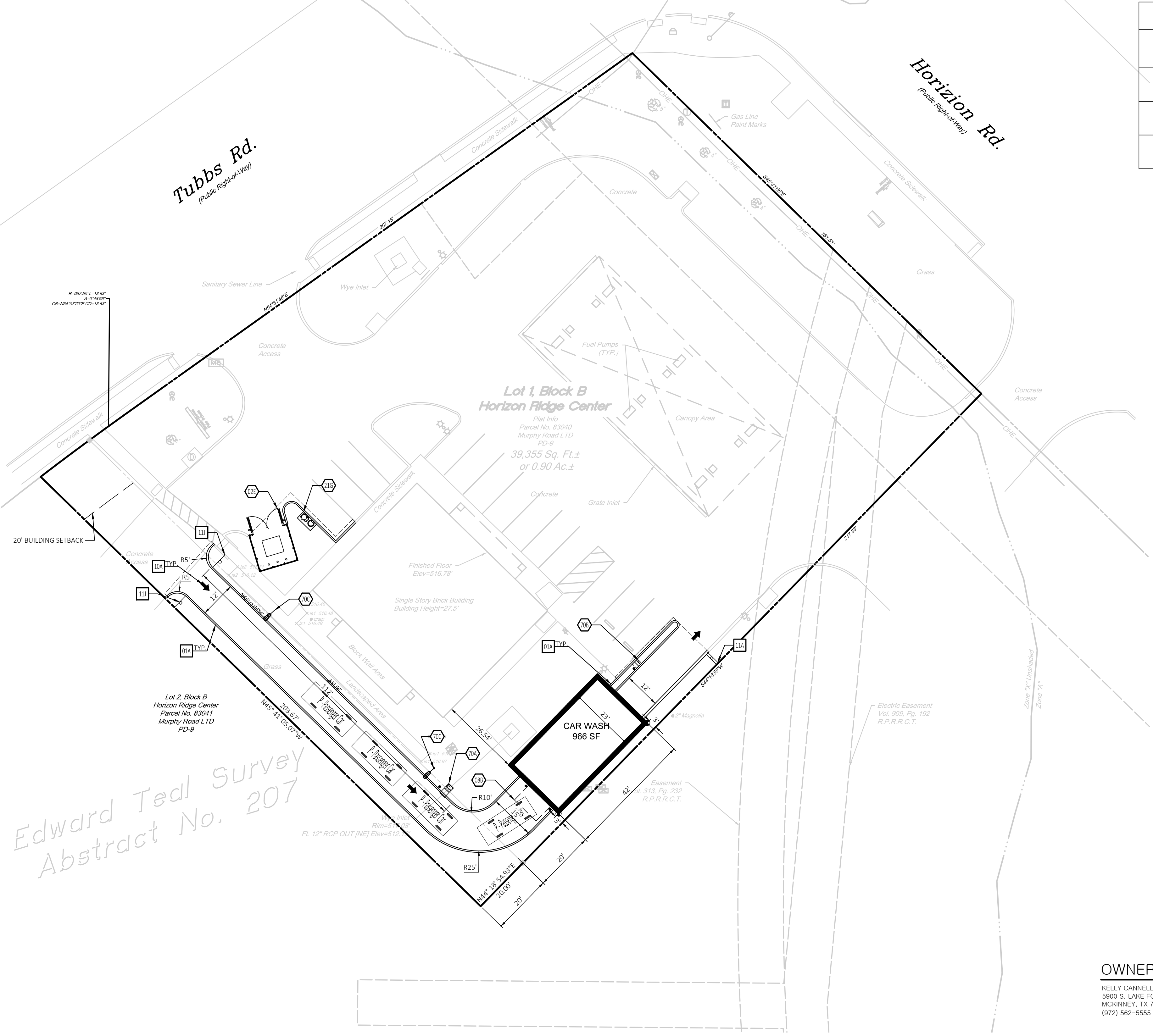
- PROPOSED**
- PROPERTY LINE/RIGHT OF WAY LINE
  - CONCRETE CURB AND GUTTER. SEE DETAIL 01A/01B.
  - BUILDING CONTROL POINT



**6" STANDARD-DUTY CONCRETE PAVING**  
N.T.S.

NOTES:  
1. THE BASE COURSE AND SUBGRADE SHALL BE COMPACTED PER GEOTECHNICAL RECOMMENDATIONS.  
2. CONTRACTOR SHALL VERIFY THE ABOVE DETAILS WITH THE SUBSURFACE EXPLORATION PREPARED BY EGS DATED 9-18-2017 PRIOR TO CONSTRUCTION. (PROJECT NO. 197484)

Edward Teal Survey  
Abstract No. 207



**OWNER:**  
KELLY CANNELL, VICE PRESIDENT  
5900 S. LAKE FOREST, STE 295  
MCKINNEY, TX 75070  
(972) 562-5555

**DEVELOPER:**  
SHANE PARTTRIDGE  
SCHAFFER CONSTRUCTION  
2601 NETWORK BLVD, STE. 413  
FRISCO, TEXAS 75034  
PH# 214-888-9923 (O)  
PH# 972-951-7851 (M)  
SPARTRIDGE@SCHAFFERCONST.COM

PRELIMINARY  
NOT FOR  
CONSTRUCTION

F-7524

ZONING CASE NO.: Z2018-039

30945	10/11/18	JDC	DMT	CAC	CAC
CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW

**CEI Engineering Associates, Inc.**  
ENGINEERS • PLANNERS • SURVEYORS  
LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS

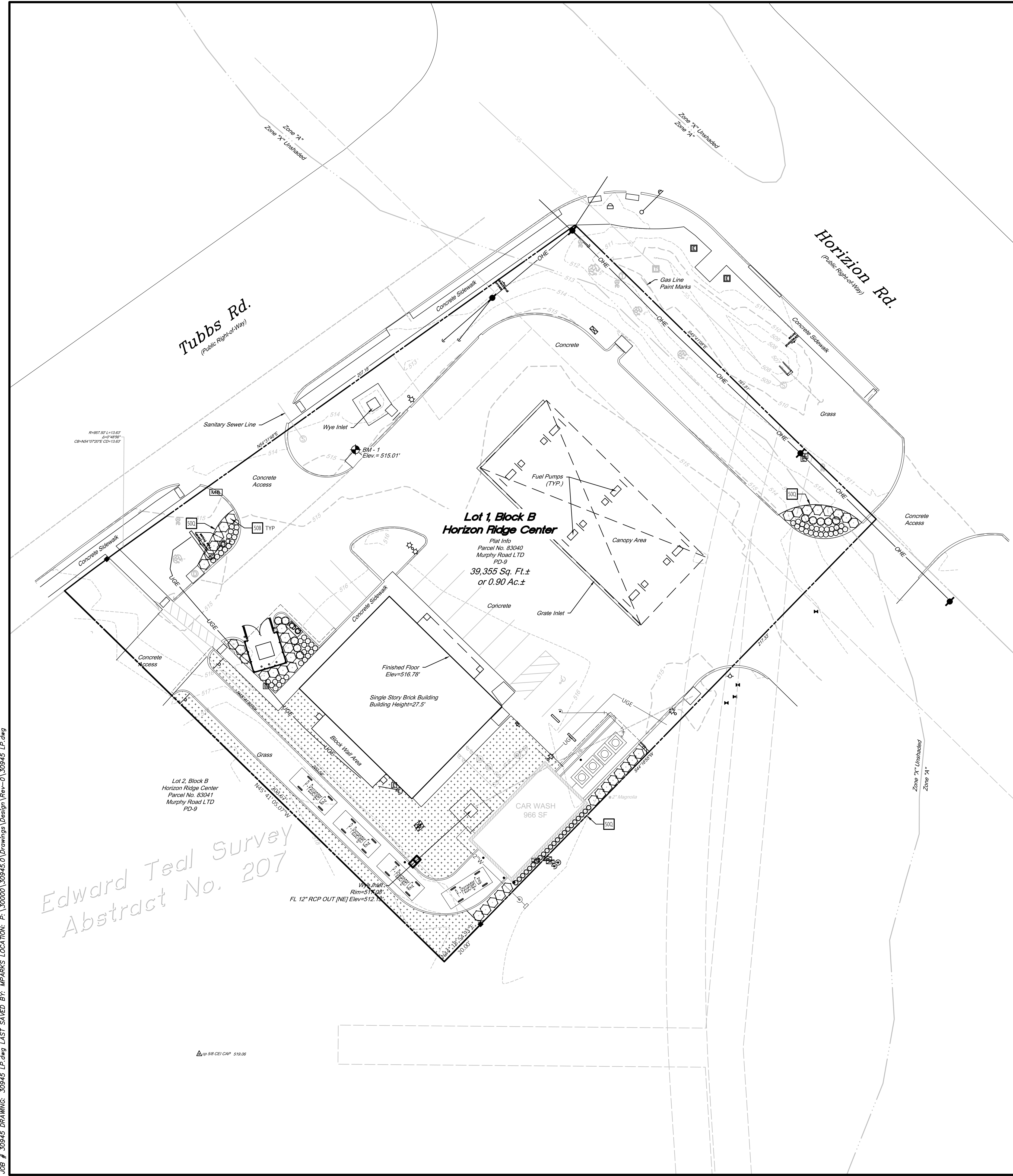
3030 BJ Freeway, Suite 100 Dallas, TX 75234 (972) 488-3737 FAX (972) 488-6732

**7-ELEVEN**  
3520 HORIZON ROAD  
ROCKWALL, TEXAS

<b>SITE PLAN</b>	REV DATE 10/11/18 REV-0	SHEET NO. C3 OF 7
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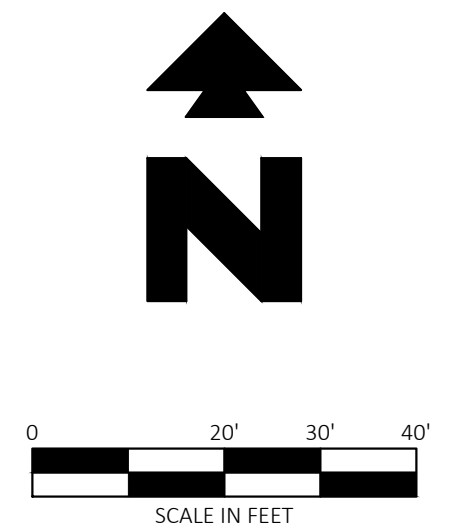
JOB # 30945 DRAWING: 30945 SP.dwg LAST SAVED BY: BHALDRUM LOCATION: P:\30000\30945\Drawings\Design (Rev-0)\30945\_SP.dwg





**SITE BENCHMARK**  
 BENCHMARK #1  
 A CUT 3" IN CONCRETE ON A CURB INLET NORTHEAST OF THE  
 ACCESS TO SUBJECT PROPERTY FROM TUBBS RD. ELEV=515.11  
 NAVD83

**811**  
 Know what's below.  
 Call before you dig.



NOTE:  
 SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF  
 PORCHES, RAMPS, VESTIBLES, SLOPED PAVING, TRUCK DOCKS, BUILDING  
 UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

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**LEGEND**

EXISTING			
e	EAST OR ELECTRIC	OHT	OVERHEAD TELEPHONE
n	NORTH	OHTV	OVERHEAD TV
oh	OVERHEAD	X"SS	SANITARY SEWER
s	SOUTH OR SEWER	UGE	UNDERGROUND ELECTRIC
t	TELEPHONE	UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
u	UNDERGROUND	UGT	UNDERGROUND TELEPHONE
w	WEST OR WATER	UGTV	UNDERGROUND TV
---	PROPERTY LINE	X"W	WATER
---	RIGHT OF WAY LINE	-5-10-11 50.5	TREE INFO 5 = DIAMETER OF TRUNK IN FEET 10 = HEIGHT OF TREE IN FEET 11 = CANOPY DIAMETER IN FEET 50.5 = ELEVATION AT BASE OF TREE
---	STORM DRAIN		
X"G	GAS		
OHE	OVERHEAD ELECTRIC		
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE		

PROPOSED	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
[Pattern]	SOLID SOD BERMUDA GRASS
[Symbol]	TYPICAL PLANTING WITH QUANTITY AND KEY (SEE PLANT LIST)

[Symbol] SITE DETAILS (REFER TO SHEET L3)

50A	SHRUB PLANTING
50Q	STEEL EDGING

PLANT SCHEDULE				
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	SIZE	DETAIL
[Symbol]	22	Ilex crenata 'Sky Pencil' / Sky Pencil Japanese Holly	5 gal	50B
[Symbol]	38	Leucophyllum frutescens 'Compacta' / Compact Texas Ranger	5 gal	50B
[Symbol]	10	Loropetalum chinense 'Purple Pixie' / Purple Pixie Loropetalum	5 gal	50B
[Symbol]	57	Nassella tenuissima 'Pony Tails' / Mexican Feathergrass	3 gal	50B

**GENERAL NOTES (SEE SHEET L3 FOR ADDITIONAL LANDSCAPE NOTES)**

- CONTRACTOR TO ENSURE THAT AN AUTOMATED IRRIGATION SYSTEM THAT PROVIDES COMPLETE COVERAGE OF THE SITE AND MEETS ALL STATE AND LOCAL CODES IS INSTALLED PRIOR TO LANDSCAPE INSTALLATION. (SEE IRRIGATION PLAN SHEET IF PROVIDED). IF NO PLAN IS PROVIDED THE CONTRACTOR SHALL SUBMIT A PROPOSED DESIGN TO THE LANDSCAPE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE PROPOSED DESIGN MUST HAVE AN APPROVED BACKFLOW DEVICE AND RAIN SENSOR INSTALLED TO STOP IRRIGATION DURING RAIN EVENTS. CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE AND NO PONDING OF WATER AT ROOT AREA.

Edward Teal Survey  
 Abstract No. 207

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As per 58 CEI CAP: 518.06

BR347

30945	10/11/18	JDC	DMT	CAC	CAC
CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW
<b>CEI Engineering Associates, Inc.</b>					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 BJ Freeway, Suite 100 Dallas, TX 75224			(972)488-3737 FAX (972)488-6732		
<b>7-ELEVEN</b>					
3520 HORIZON ROAD ROCKWALL, TEXAS					
<b>LANDSCAPE PLAN</b>				REV DATE 10/11/18 REV-0	SHEET NO. L2 OF 7



**GENERAL NOTES**

- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PROPOSED LANDSCAPING IS INSTALLED IN ACCORDANCE WITH PLANS, DETAILS, SPECIFICATIONS (IF APPLICABLE) AND ALL LOCAL CODES AND REQUIREMENTS.
- CONTRACTOR TO INSPECT SITE AND VERIFY CONDITIONS AND DIMENSIONING PRIOR TO PROCEEDING WITH WORK DESCRIBED HERE IN. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING ANY CONSTRUCTION.
- QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR GENERAL USE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLANT AND LANDSCAPE MATERIAL QUANTITIES. SYMBOL COUNT ON PLAN TAKES PRECEDENCE OVER TABLE QUANTITIES.
- IMMEDIATELY AFTER AWARD OF CONTRACT, NOTIFY THE OWNER'S REPRESENTATIVE AND/OR THE LANDSCAPE ARCHITECT OF UNAVAILABILITY OF SPECIFIED PLANT MATERIAL FROM COMMERCIAL NURSERIES. THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS IF UNAVAILABILITY OCCURS. SUCH CHANGES SHALL NOT ALTER THE ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.
- ALL PLANT MATERIALS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1.
- CONTAINER GROWN STOCK SHOULD HAVE GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL TOGETHER.
- ANY PLANT SUBSTITUTIONS, RELOCATION, OR REQUIRED CHANGE SHALL REQUIRE THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNER.
- THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT RESERVE THE RIGHT TO REFUSE ANY MATERIAL THEY DEEM UNACCEPTABLE.
- COORDINATE WITH PROJECT REPRESENTATIVE FOR DISTURBED SITE TREATMENTS OUTSIDE LANDSCAPE IMPROVEMENTS. SEE CIVIL PLANS FOR SOIL STABILIZATION FOR EROSION CONTROL.
- CONTRACTOR TO ENSURE THAT AN AUTOMATED IRRIGATION SYSTEM THAT PROVIDES COMPLETE COVERAGE OF THE SITE AND MEETS ALL STATE AND LOCAL CODES IS INSTALLED PRIOR TO LANDSCAPE INSTALLATION (SEE IRRIGATION PLAN SHEET IF PROVIDED). IF NO PLAN IS PROVIDED THE CONTRACTOR SHALL SUBMIT A PROPOSED DESIGN TO THE LANDSCAPE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE PROPOSED DESIGN MUST HAVE AN APPROVED BACKFLOW DEVICE AND RAIN SENSOR INSTALLED TO STOP IRRIGATION DURING RAIN EVENTS. CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE AND NO PONDING OF WATER AT ROOT AREA.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED/SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION AT NO COST TO THE OWNER.
- WEED MAT IS REQUIRED IN LANDSCAPED ISLANDS AS SPECIFIED.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- IF A SWPPP PLAN IS PROVIDED THIS PLAN IS TO BE IMPLEMENTED COOPERATIVELY WITH SWPPP PLAN, AS NEEDED, TO MAXIMIZE THE EFFECTIVENESS OF THE SWPPP PLAN FOR THIS SITE.
- THE CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING OR SODDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING.
- ALL DISTURBED AREAS AS DESIGNATED ON THE GRADING PLAN SHALL BE SOWN WITH GRASS SEED MIX OF 40% YUKON BERMUDA, 40% MAJESTIC BERMUDA, 10% CENTIPEDE (COATED) BY WEIGHT @ 3 LBS / 1000 SF.
- SEEDING ON SLOPES: HYDROSEED WITH GRASS SEED AS INDICATED ON PLANS. SEE LEGEND FOR SPECIFIC GRASS SEED TYPE. SEEDING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER BED PREPARATION. HYDROSEED MIXTURE SHALL CONTAIN CELLULOSE MULCH APPLIED AT A RATE OF 2,000 LBS/ACRE, WITH A MAXIMUM OF 50 LBS./100 GAL. OF WATER. IF SEEDING IS DELAYED AFTER MIXING 1/2 - 2 HOURS ADD AN ADDITIONAL 50% OF SEED MIX. IF DELAY IS LONGER THAN 2 HOURS, BEGIN WITH NEW MIXTURE. ALL SLOPES 2:1 OR GREATER SHALL BE COVERED WITH EROSION CONTROL BLANKET AS SHOWN IN THE EROSION CONTROL BLANKET DETAIL. SEE SPECIFICATIONS FOR SEED ESTABLISHMENT REQUIREMENTS.
- ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.

**PLANTING NOTES**

- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL PLANTED AREAS. ALL DELETERIOUS MATERIALS SUCH AS ROCK, TRASH, CONSTRUCTION DEBRIS, AGGREGATE BASE MATERIAL, ASPHALT, ETC. SHALL BE REMOVED PRIOR TO ANY FILL OPERATIONS. FILL ALL PLANTING AREAS WITH CLEAN EARTHEN FILL. SOIL SHALL BE FREE OF HEAVY, STIFF CLAY AND ANY DELETERIOUS MATERIAL OVER ONE INCH IN SIZE. THE TOP SIX INCHES OF FILL MATERIAL STRIPPED FROM SITE MAY BE UTILIZED FOR PLANTER OR TOPSOIL FILL IF PRIOR APPROVAL HAS BEEN OBTAINED FROM THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT.
- FINISH GRADE OF LANDSCAPE AREAS (TOP OF TURF AND MULCH) MUST BE GRADED TO 1 1/2" BELOW ADJACENT PAVEMENT SURFACES.
- LOCATE SHRUBS A DISTANCE OF HALF OF THEIR AVERAGE MATURE SPREAD AWAY FROM WALKS, STRUCTURES, CONCRETE PADS, ETC. LOCATE GROUND COVER PLANTINGS A MINIMUM OF 2" FROM WALKS, STRUCTURES, CONCRETE PADS, ETC.
- ALL LAWN AREAS NOT OTHERWISE BORDERED BY WALKS, OR OTHER STRUCTURES, SHALL HAVE MANUFACTURED EDGING AS REQUIRED.
- TREES PLANTED ADJACENT TO PUBLIC ROADS AND PEDESTRIAN SIDEWALKS SHALL BE PRUNED SUFFICIENTLY TO AVOID VISUAL BLOCKS TO INTERSECTING VEHICULAR ACCESS OR INTERFERENCE WITH PEDESTRIAN WALKWAYS. TREES WITH A 4" OR LARGER CALIPER SHALL BE PRUNED UP TO 6" ABOVE PAVEMENTS.
- ALL TREES WITHIN 4' OF PAVED SURFACES (SUCH AS CURBS, WALLS, BUILDINGS AND SIDEWALKS) SHALL BE PROVIDED WITH A DEEP ROOT BARRIER CONTROL DEVICE OR EQUAL. INSTALL PER MFR'S SPECIFICATIONS.
- TOPSOIL DEPTH SHALL BE AS FOLLOWS:  
PLANTER BEDS - 12" MINIMUM  
GRASS/SOD AREAS - 4" MINIMUM (AFTER COMPACTION)
- BACKFILL ALL TREES, SHRUBS, GROUND COVER WITH A MIXTURE OF 2 PARTS NATIVE SOIL AND 1 PART SOIL CONDITIONING WITH WOOD MULCH.
- THE LANDSCAPE CONTRACTOR SHALL WATER TEST ALL PLANTING HOLE PRIOR TO PLANTING. IF HOLES DO NOT DRAIN PROPERLY, EXCAVATE FURTHER UNTIL IMPERMEABLE LAYER IS BREACHED. EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FLOODED WITH WATER SHALL DRAIN WITHIN 1 HOUR OF FILLING. ENSURE THAT ALL PLANT PITS HAVE POSITIVE DRAINAGE.
- ALL PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE. PRE-EMERGENT HERBICIDE SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL OCCUR AFTER TOPSOIL PLACEMENT AND PRIOR TO INSTALLATION OF PLANT MATERIALS AND MULCH.
- FERTILIZE ALL PLANTS AT THE TIME OF PLANTING WITH A TIME RELEASE FERTILIZER PER BRAND'S SPECIFIED APPLICATION RATES.
- ALL PLANTING BED SOILS SHALL BE AMENDED WITH 2" OF ORGANIC COMPOST
- ALL TREES AND SHRUBS SHALL BE PLANTED IN SUCH A MANNER AS TO ENSURE THEIR SURVIVAL.
- ANY ROPE OR WIRE BINDING THE BALL SHALL BE CUT PRIOR TO PREVENT GIRDLING OF THE TREE. REMOVE WIRE, TWINE, AND BURLAP FROM THE TOP HALF OF ALL B&B PLANT MATERIAL.
- IF A NON-BIODEGRADABLE MATERIAL IS USED AROUND THE BALL, IT SHALL BE COMPLETELY REMOVED PRIOR TO BACKFILLING.
- PRIOR TO INSTALLATION, THE ROOTS OF CONTAINER GROWN STOCK SHALL BE SEPARATED OR SPLIT TO ENSURE PROPER ROOT DEVELOPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
- ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS. TREES & SHRUBS SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY.
- ALL TREES MUST BE STRAIGHT-TRUNKED, FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL TREES MUST BE STAKED AS SHOWN IN THE DETAILS.
- NO SUBSTITUTIONS OR ALTERNATIVES WILL BE ALLOWED FOR GROUND SURFACE MATERIALS UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT OR OWNER.
- MAINTAIN 5' MIN. HORIZONTAL SEPARATION BETWEEN TREE PLANTINGS AND ALL UTILITIES UNLESS OTHERWISE SPECIFIED.
- A FOUR INCH (4") TOP DRESSING/MULCHING OF SHREDDED HARDWOOD MULCH SHALL BE PLACED IN ALL PLANT BEDS AND AROUND ALL TREES. SINGLE TREES OR SHRUBS SHALL HAVE TOP DRESSING TO THE OUTSIDE EDGE OF THE MANUFACTURED EDGING OR LANDSCAPE ISLAND. (SEE PLANTING DETAILS) TOP DRESSING CAN BE WOOD MULCH, ROCK, OR ANY OTHER DECORATIVE MATERIAL SPECIFIED ON PLANS. SEE LANDSCAPE PLAN FOR TYPE.
- THE FOLLOWING PLANTING SEASONS ARE RECOMMENDED:  
EVERGREEN SHRUBBERY NOV-MAR  
DECIDUOUS SHRUBBERY & TREES NOV-MAR  
EVERGREEN TREES NOV-MAR

**SOLID SOD NOTES**

- ADJUST FINE GRADE TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
- ALL LAWN AREAS TO RECEIVE SOLID SOD SHALL BE LEFT IN A MAXIMUM OF 1 1/2" BELOW FINAL FINISH GRADE. CONTRACTOR TO COORDINATE OPERATIONS WITH ON-SITE CONSTRUCTION MANAGER.
- CONTRACTOR TO COORDINATE WITH ON-SITE CONSTRUCTION MANAGER FOR AVAILABILITY OF EXISTING TOPSOIL.
- IMPORTED TOPSOIL SHALL BE NATURAL, FRIABLE SOIL FROM THE REGION KNOWN AS BOTTOM LAND SOIL; FREE FROM LUMPS, CLAY TOXIC SUBSTANCES, ROOTS, DEBRIS, VEGETATION, STONES, CONTAINING NO SALT AND BE BLACK TO BROWN IN COLOR.
- ALL LAWN AREAS TO BE FINE GRADED, SETTLED, AND FINISH GRADE APPROVED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO SOD INSTALLATION.
- ALL ROCKS 3/4" DIAMETER AND LARGER, DIRT CLOUDS, STICKS, CONCRETE SPOILS, CONSTRUCTION WASTE, ETC. SHALL BE REMOVED PRIOR TO PLACING TOPSOIL AND ANY LAWN INSTALLATION.
- PLANT SOD BY HAND TO COVER INDICATED AREA COMPLETELY. INSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL VOIDS.
- ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE, FREE FROM UNNATURAL UNDULATIONS.
- FERTILIZE ALL SOD AT THE TIME OF PLANTING WITH A TIME RELEASE FERTILIZER PER BRAND'S SPECIFIED APPLICATION RATES.
- WATER SOD THOROUGHLY AS SOD OPERATION PROGRESSES.
- IF SOD IS INSTALLED ON SLOPES OF 3:1 OR GREATER, SOD SHALL BE STAKED TO AVOID SLIPPING OR SLIDING APART. STAKING OR STAPLES SHALL BE INSTALLED FLUSH AS TO NOT CREATE A MAINTENANCE ISSUE WITH CARE EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS UNTIL FINAL ACCEPTANCE. THIS SHALL INCLUDE, BUT NOT LIMITED TO: MOWING, WATERING, WEEDING, CULTIVATING, CLEANING AND REPLACING DEAD OR BARE AREAS TO KEEP PLANTS IN VIGOROUS, HEALTHY CONDITIONS.
- CONTRACTOR SHALL GUARANTEE ESTABLISHMENT OF AN ACCEPTABLE TURF AREA AND SHALL PROVIDE REPLACEMENT FROM LOCAL SUPPLY IF NECESSARY.
- IF INSTALLATION OCCURS BETWEEN NOVEMBER AND MARCH ALL SOD AREAS TO BE OVER-SEEDED WITH ANNUAL RYEGRASS.

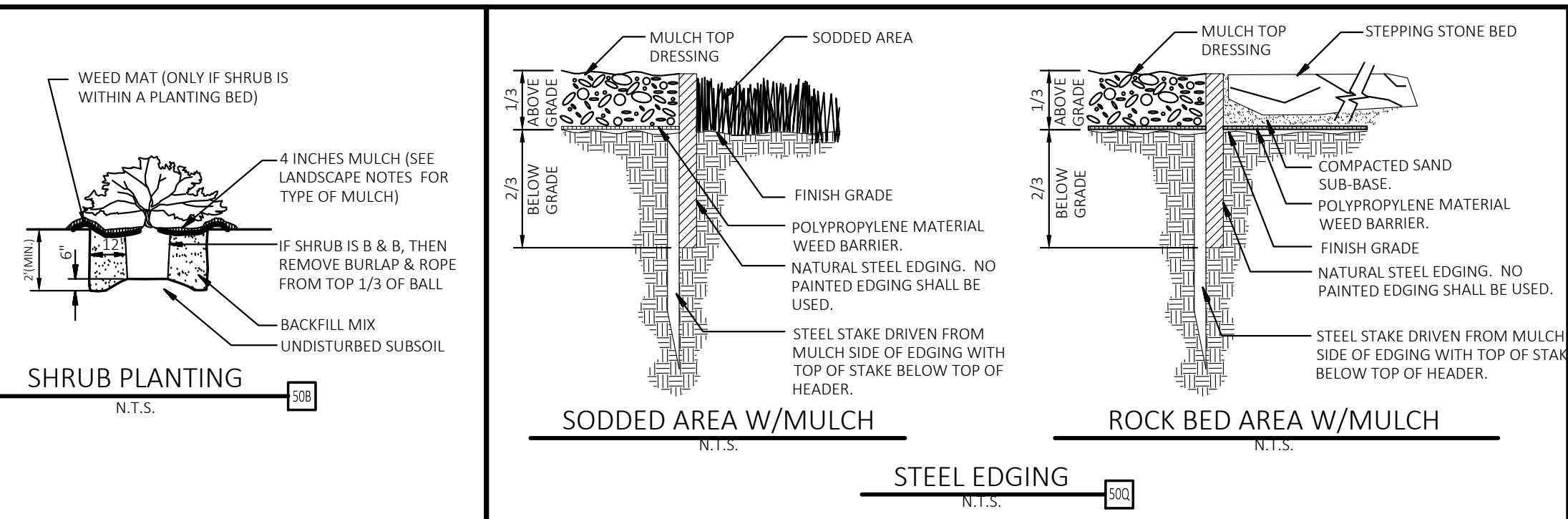
**PLANT GUARANTEE, REPLACEMENT AND MAINTENANCE**

- GUARANTEE:**  
ACCEPTANCE OF GRADING AND SEEDING SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RESEEDING AND OTHER OPERATIONS NECESSARY TO KEEP ALL LAWN AREAS IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES. AFTER LAWN AREAS HAVE GERMINATED, AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RE-SEEDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY STAND OF GRASS. MINIMUM ACCEPTANCE OF SEEDED LAWN AREAS MAY INCLUDE SCATTERED BARE SPOTS, NONE OF WHICH ARE LARGER THAN 1 SQUARE FOOT, AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL SEEDED LAWN AREA.
- REPLACEMENT:**  
ANY PLANT UNDER THIS SPEC WHICH IS DEAD, MISSING, UNHEALTHY, OR OTHERWISE NOT ACCEPTABLE AND NOT IN SATISFACTORY GROWING CONDITION DURING CONSTRUCTION MAINTENANCE PERIOD, OR AT THE END OF THE GUARANTEE PERIOD, SHALL BE REMOVED FROM SITE AND REPLACED WITH SUITABLE, ACCEPTABLE PLANTS AS SPECIFIED, WITHIN FIVE (5) DAYS.
- MAINTENANCE:**  
GENERAL CONTRACTOR SHALL PROVIDE ONE YEAR OF LANDSCAPE MAINTENANCE, FROM THE TIME THE PROJECT RECEIVES THE CERTIFICATE OF OCCUPANCY AND THEREAFTER, FOR ALL NEW LANDSCAPE. IF EXISTING LANDSCAPE EXISTS ON-SITE, GENERAL CONTRACTOR IS TO PROVIDE THE OPTION OF MAINTENANCE FOR THE OWNER'S REVIEW.

**HERBICIDES NOTES**

- APPLICATION OF HERBICIDES SHALL BE IN COMPLIANCE WITH STATE PESTICIDES REGULATIONS. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONSULT WITH THE REGULATORY AGENCIES FOR LOCAL HERBICIDES APPLICATION REQUIREMENTS.
- IF THERE IS A DISCREPANCY BETWEEN STATE REGULATIONS AND ADDITIONAL REQUIREMENTS BELOW, MOST STRINGENT SHALL RULE.
- NO AERIAL APPLICATION OF HERBICIDES IS PERMITTED ON SITE.
- CARCINOGENS AND EPA TOXIC CATEGORY I AND II ARE PROHIBITED TO USE ON SITE.

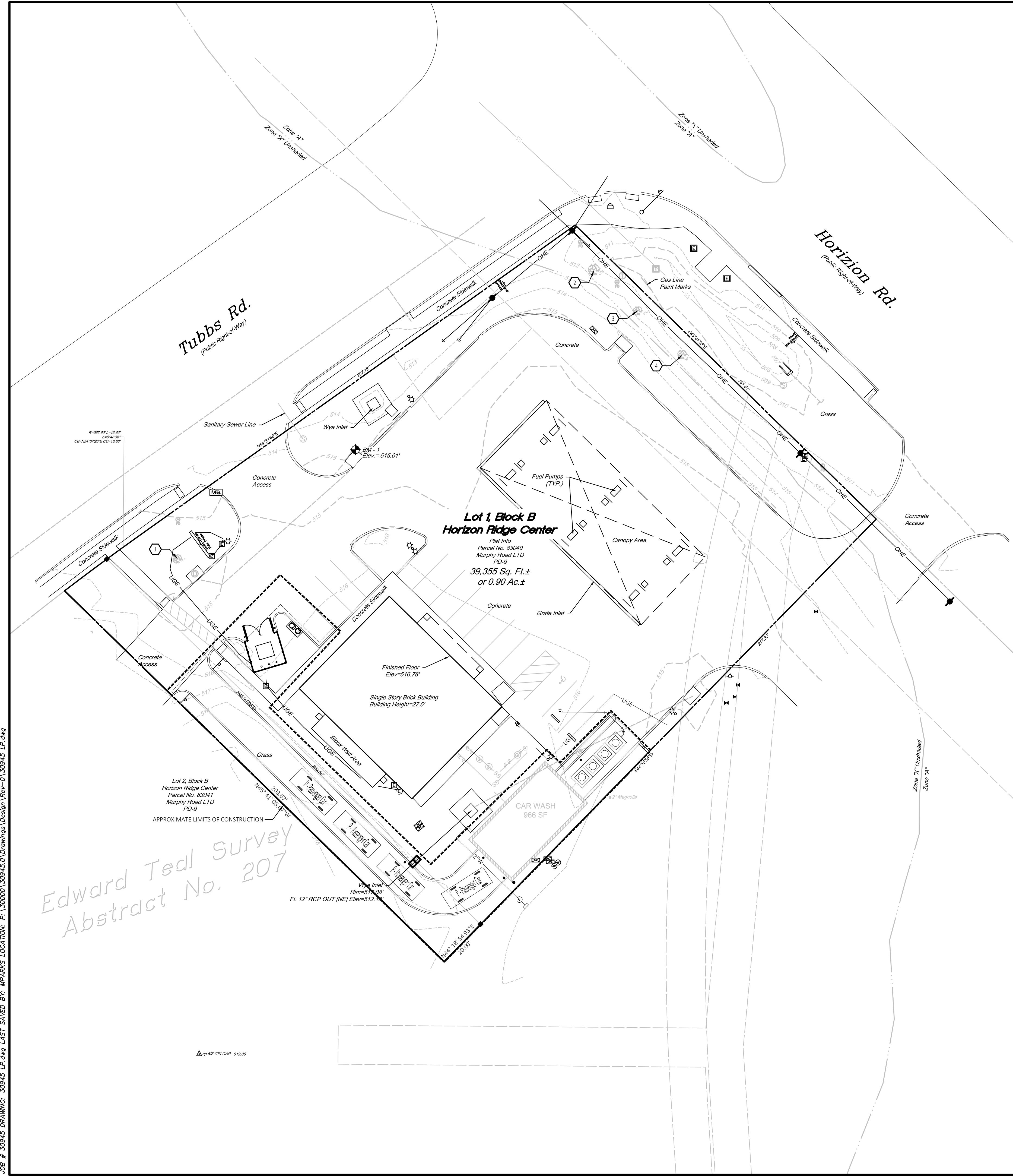
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BR347

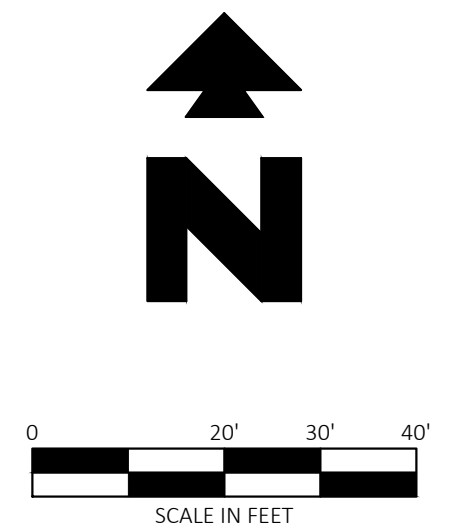
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CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW
<b>CEI Engineering Associates, Inc.</b>					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 BJ Freeway, Suite 100 Dallas, TX 75234			(972)488-3737 FAX (972)488-6732		
<b>7-ELEVEN</b>					
3520 HORIZON ROAD ROCKWALL, TEXAS					
<b>NOTES AND DETAILS</b>				REV DATE 10/11/18 REV-0	SHEET NO. L3 OF 7





**SITE BENCHMARK**  
 BENCHMARK #1  
 A CUT 3" IN CONCRETE ON A CURB INLET NORTHEAST OF THE  
 ACCESS TO SUBJECT PROPERTY FROM TUBBS RD. ELEV=515.17  
 NAVD83

**811**  
 Know what's below.  
 Call before you dig.



NOTE:  
 SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF  
 PORCHES, RAMPS, VESTIBULES, SLOPED PAVING, TRUCK DOCKS, BUILDING  
 UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

**LEGEND**

EXISTING			
e	EAST OR ELECTRIC	OHT	OVERHEAD TELEPHONE
n	NORTH	OHTV	OVERHEAD TV
oh	OVERHEAD	X"SS	SANITARY SEWER
s	SOUTH OR SEWER	UGE	UNDERGROUND ELECTRIC
t	TELEPHONE	UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
ue	UNDERGROUND	UGT	UNDERGROUND TELEPHONE
w	WEST OR WATER	UGTV	UNDERGROUND TV
---	PROPERTY LINE	X"W	WATER
---	RIGHT OF WAY LINE	-5-10-11 50.5	TREE INFO
---	STORM DRAIN		.5 = DIAMETER OF TRUNK IN FEET
X"G	GAS		10 = HEIGHT OF TREE IN FEET
OHE	OVERHEAD ELECTRIC		11 = CANOPY DIAMETER IN FEET
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE		50.5 = ELEVATION AT BASE OF TREE

**SITE INFORMATION TABLE**

ZONING	PD - "PLANNED DEVELOPMENT 9" FOR GENERAL RETAIL (GR) DISTRICT LAND USES
PROPOSED LAND USE	CONVENIENCE STORE WITH FUEL SALES AND CAR WASH
EXISTING LOT SIZE	39,355 SF/0.90 AC
PROPOSED LOT SIZE	43,397 SF/1.00 AC

**TREESCAPE TABLE**

KEY	DESCRIPTION	SIZE	REMOVED	PRESERVED
1	EXISTING TREE	4"		X
2	EXISTING TREE	5"		X
3	EXISTING TREE	4"		X
4	EXISTING TREE	4"		X
TOTAL INCHES PRESERVED		17"		
TOTAL INCHES REMOVED		0"		

Edward Teal Survey  
 Abstract No. 207

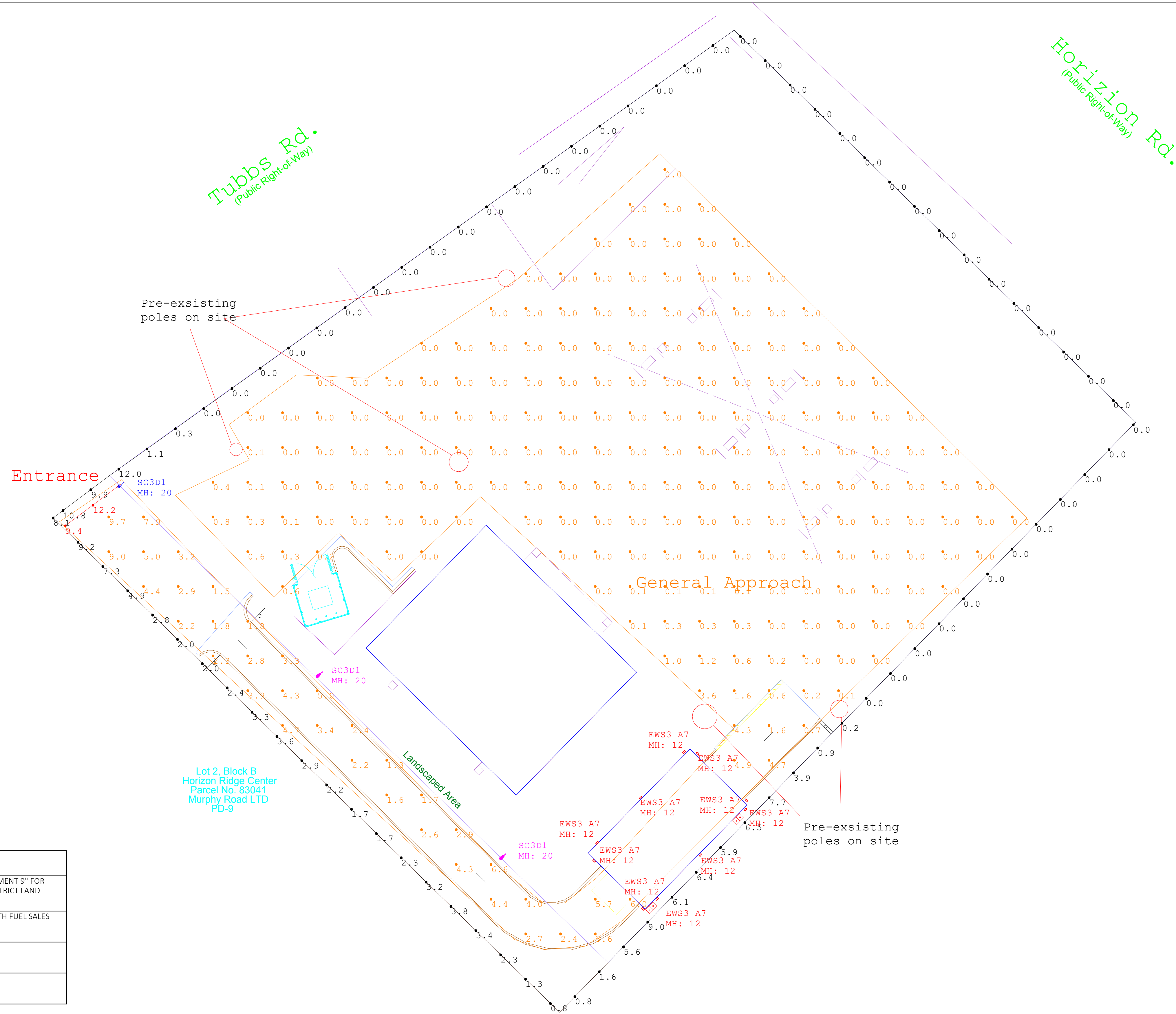
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58 CEI CAP 518.06

BR347

30945	10/11/18	JDC	DMT	CAC	CAC
CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW
<b>CEI</b> Engineering Associates, Inc.					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 BJ Freeway, Suite 100 Dallas, TX 75224			(972)488-3737 FAX (972)488-6732		
<b>7-ELEVEN</b>					
3520 HORIZON ROAD ROCKWALL, TEXAS					
<b>TREESCAPE PLAN</b>				REV DATE 10/11/18 REV-0	SHEET NO. L1 OF 7





SITE INFORMATION TABLE	
ZONING	PD - "PLANNED DEVELOPMENT 9" FOR GENERAL RETAIL (GR) DISTRICT LAND USES
PROPOSED LAND USE	CONVENIENCE STORE WITH FUEL SALES AND CAR WASH
EXISTING LOT SIZE	39,355 SF/0.90 AC
PROPOSED LOT SIZE	43,397 SF/1.00 AC

Scale: 1 inch= 16.00 Ft.



Calculated light levels are based on specific information that has been applied to GE. Any differences in luminaire installation, lighted area geometry and obstructions in the lighted area may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will affect results.  
Ref: IES LM61-06

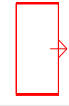
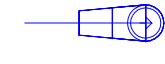
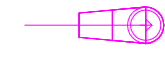
Provided for:  
John Downing  
CURRENT, POWERED BY GE

Provided BY:  
Application Solution Center  
Current, Powered by GE  
NELA Park, East Cleveland OH  
P: 1-216-266-4660

Designer: Joshua Watkins
Date: 10/9/2018
GE Drawing #: A181733.7-Eleven #34353 Rockwall, TX.AGI

**7-ELEVEN STORE #34353**  
3520 Horizon Rd, Rockwall, TX  
MOUNTING HEIGHT AS NOTED  
MAINTAINED LIGHTING LEVELS INDICATED



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens
	10	EWS3 A7	SINGLE	1.000	EWS3_A7D150_____-120-277V	25	2900
	1	SG3D1	SINGLE	1.000	1-ERS2-0-G3-D1-1-50-1- Color	257	19900
	2	SC3D1	SINGLE	1.000	1-ERS1-0-C3-D1-7-50-1- Color	95	8500

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Entrance	Illuminance	Fc	10.80	12.2	9.4	1.15	1.30
General Approach	Illuminance	Fc	0.70	9.7	0.0	N.A.	N.A.
Property Line	Illuminance	Fc	1.88	12.0	0.0	N.A.	N.A.

Standard 7-Eleven Lighting Specification	
Entrances	10FC AVG
Air Pump	10FC
Gasoline Canopy	30FC
Dumpster	10FC
Parking	10FC
General Approach	3FC
Sidewalk	NO SPEC
Property Line	NO SPEC

\* Levels designed to be at initial output or 1.0LLF



**current**  
powered by GE

Calculated light levels are based on specific information that has been supplied to GE. Any differences in luminaire installation, lighted area geometry and obstructions in the lighted area may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will affect results.  
Ref: IES LM-61-06

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John Downing  
CURRENT, POWERED BY GE

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GE Drawing #: A181733.7-Eleven #34353 Rockwall, TX.AGI

**7-ELEVEN STORE #34353**  
3520 Horizon Rd, Rockwall, TX  
MOUNTING HEIGHT AS NOTED  
MAINTAINED LIGHTING LEVELS INDICATED



GE  
Lighting

# Evolve™ LED Roadway Lighting

Scalable Specification Grade Cobrahead (ERS1, ERS2, ERS3 & ERS4)



imagination at work



## Product Features

From local to major roadways, the GE Evolve™ LED Roadway Scalable Cobrahead fixtures are changing the way you light your lanes. Preserving the aesthetic look of traditional roadway Cobrahead fixtures, GE balances the technical needs of a sophisticated LED system with the functional demands of an outdoor fixture facing extreme weather hazards. GE's advanced LED optical design offers hundreds of photometric options to meet your precise lighting requirements, while delivering reduced glare and improved light control. The refined thermal management system incorporates a sleek and robust heat sink directly into the fixture to ensure maximum heat transfer and long LED life.

The GE Evolve LED Roadway Scalable Cobrahead offers more than 11 years of reliable service life to significantly reduce maintenance frequency and expense, based on a 50,000 hour life and 12 hours of operation per day.

### Applications

- Designed to meet recommended luminance and illuminance requirements for local to major roadway / street classifications.

### Housing

- Die cast aluminum housing.
- A modern design preserving the aesthetic look of traditional roadway Cobrahead fixtures incorporates the heat sink directly into the unit ensuring maximum heat transfer and long LED life.
- Meets 3G vibration per C136.31-2010
- Power door assembly with removable retention latch.



### LED & Optical Assembly

- Structured LED array for optimized roadway photometric distribution.
- Evolve light engine consisting of scalable reflective technology designed to optimize application efficiency and minimize glare.
- Reverse facing light engine options available.
- Utilizes high brightness LEDs, 70 CRI at 4000K & 5000K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

### Lumen Maintenance

- Lumen Maintenance and TM21 projections listed below each lumen data table

### Ratings

- /  listed, suitable for wet locations per UL 1598.
- IP66 rated optical enclosure per ANSI C136.25-2009.
- Temperature ratings:
  - 40°C to 50°C for 525mA and 700mA skus except for ERS4 @ 347-480V (-40°C to +45°C)
  - 40°C to +40°C for 1050mA skus
- Upward Light Output Ratio (ULOR) = 0.

### Mounting

- Slipfitter with +/- 5 degree of adjustment for leveling.
- Integral die cast mounting pipe stop feature.
- Wildlife intrusion protection at mounting pipe entry.
- Adjustable for 1.25 in. or 2 in. mounting pipe.

### Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black and Gray.
- RAL & custom colors available.

### Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.\*
- Class "A" audible sound rating.
- Integral surge protection:
  - For 120-266VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3 (120 events)
  - Optional higher rating surge protection device available
- Optional high capability surge protection per IEEE/ANSI C62.41.2-2002.
  - 6kV/3kA Location Category C-Low (5000 events).
- EMI: Title 47 CFR Part 15 Class A.
- Photo electric sensors (PE) available for all voltages.

\* System power factor and THD is tested and specified at 120V input and maximum load conditions.

### Ambient Temperature Conversion Table

AMBIENT TEMPERATURE (°C)	INITIAL LUMENS FACTOR	INITIAL WATTS FACTOR
15	1.01	1.01
20	1.01	1.00
25	1.00	1.00
30	0.99	1.00
35	0.99	0.99



# Ordering Number Logic

## Scalable Specification Grade Cobrahead (ERS1)

Datasheet information valid through 06/30/14



### ERS1

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
<b>E</b> = Evolve <b>R</b> = Roadway <b>S</b> = Scalable <b>1</b> = Single Module Optical Assembly	<b>0</b> = 120-277 <b>1</b> = 120 <b>2</b> = 208 <b>3</b> = 240 <b>4</b> = 277 <b>H</b> = 347-480 <b>D</b> = 347 <b>5</b> = 480	Product Tier <b>*3</b> = Specification Grade  See Charts for all levels	<b>A1</b> = Extra Narrow Asymmetric <b>B1</b> = Narrow Asymmetric (Medium) <b>C1</b> = Asymmetric (Short) <b>D1</b> = Asymmetric Forward <b>E1</b> = Asymmetric (Medium)	<b>5</b> = 525mA <b>7</b> = 700mA <b>1</b> = 1050mA	<b>40</b> = 4000K <b>50</b> = 5000K*  <b>NOTE:</b> For 1050mA drive current, nominal color temperature (CCT) = 5300K	<b>1</b> = None <b>2</b> = PE Rec. <b>4</b> = PE Rec. with Shorting Cap <b>5</b> = PE Rec. with Control <b>7</b> = GE Dimming 5-Pin PE Receptacle *† <b>9</b> = GE Dimming 5-Pin PE Receptacle with Shorting Cap *†  † When ordering PE function socket 7 or 9, a dimming driver add after dimming driver (D=Dimming) must also be ordered under the "OPTIONS" column  * Order dimming control PE as a separate item  <b>NOTE:</b> A=ANSIC136.41 7-Pin dimming receptacle, contact manufacturer	<b>BLCK</b> = Black <b>GRAY</b> = Gray	<b>B</b> = Internal Bubble level <b>D</b> = Dimming* <b>F</b> = Fusing <b>G</b> = External Bubble Level <b>L</b> = Tool-Less Entry <b>R</b> = Additional Secondary Surge Protection Device <b>T</b> = GE Energy Extreme Surge Protection per IEEE/ANSI C62.41.2-2002. - Rating 1 - 10kV/5kA Location Category (120 events). - Rating 2 - 6kV/3kA Location Category C-Low (5000 events).  <b>XXX</b> = Special Options  * When ordering Dimming PE Receptacle 7, 9 or A, D=Dimming driver must be selected under "OPTIONS" column  <b>NOTE:</b> If no dimming receptacle under PE Function is selected and D=Dimming is selected under OPTIONS, 0-10v dimming leads will be provided with access through slipfitter opening in unit

525 mA				TYPICAL SYSTEM WATTAGE	TYPICAL INITIAL LUMENS	TYPICAL INITIAL LPW 4000K	TYPICAL INITIAL LPW 5000K	IES FILE NUMBERS		
PRODUCT ID	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	120-277V	4000K	5000K	120-277V	120-277V	4000K	5000K
ERS1	23	A1	525mA	31	2800	2900	90	94	456364	456384
ERS1	A3		525mA	45	4200	4300	93	96	456365	456385
ERS1	B3		525mA	60	5600	5700	93	95	456366	456386
ERS1	C3		525mA	73	6900	7000	95	96	456367	456387
ERS1	23	B1	525mA	31	2900	2900	94	94	456368	456388
ERS1	A3		525mA	45	4300	4400	96	98	456369	456389
ERS1	B3		525mA	60	5700	5800	95	97	456370	456390
ERS1	C3		525mA	73	7100	7200	97	99	456371	456391
ERS1	23	C1	525mA	31	2900	2900	94	94	456372	456392
ERS1	A3		525mA	45	4300	4400	96	98	456373	456393
ERS1	B3		525mA	60	5700	5800	95	97	456374	456394
ERS1	C3		525mA	73	7100	7200	97	99	456375	456395
ERS1	23	D1	525mA	31	2800	2900	90	94	456376	456396
ERS1	A3		525mA	45	4200	4300	93	96	456377	456397
ERS1	B3		525mA	60	5600	5700	93	95	456378	456398
ERS1	C3		525mA	73	6900	7000	95	96	456379	456399
ERS1	23	E1	525mA	31	2900	2900	94	94	456380	456400
ERS1	A3		525mA	45	4300	4400	96	98	456381	456401
ERS1	B3		525mA	60	5700	5800	95	97	456382	456402
ERS1	C3		525mA	73	7100	7200	97	99	456383	456403

#### NOTES:

- Max Operating Ambient 50° C
- 347-480V Available (Approximate Wattage = 1.1\* Times Wattage Listed Below) Contact Manufacturer for 347-480V LPW
- Some 347-480 Not DLC Listed (Contact Manufacturer)

### Lumen Maintenance

- Projected L92 (10K) ≥ 50,000 at Ta 25C
  - Projected L70 (10K) > 100,000 at Ta 25C
- Based on 10,000h LM-80 data for Nichia 219B SQETMLH17005



## Scalable Specification Grade Cobrahead (ERS1)

1050 mA		PHOTOMETRIC TYPE	DRIVE CURRENT	TYPICAL SYSTEM WATTAGE		TYPICAL INITIAL LUMENS		TYPICAL INITIAL LPW 4000K	TYPICAL INITIAL LPW 5000K	IES FILE NUMBERS	
PRODUCT ID	OPTICAL CODE			120-277V	4000K	5000K* (5300K NOMINAL)	120-277V	120-277V	4000K	5000K	
ERS1	23	A1	1050mA	64	4800	4900	75	77	456644	456664	
ERS1	A3		1050mA	90	7000	7100	78	79	456645	456665	
ERS1	B3		1050mA	117	9100	9200	78	79	456646	456666	
ERS1	C3		1050mA	143	11200	11300	78	79	456647	456667	
ERS1	23	B1	1050mA	64	5000	5000	78	78	456648	456668	
ERS1	A3		1050mA	90	7100	7200	79	80	456649	456669	
ERS1	B3		1050mA	117	9300	9500	79	81	456650	456670	
ERS1	C3		1050mA	143	11500	11600	80	81	456651	456671	
ERS1	23	C1	1050mA	64	5000	5000	78	78	456652	456672	
ERS1	A3		1050mA	90	7100	7200	79	80	456653	456673	
ERS1	B3		1050mA	117	9300	9500	79	81	456654	456674	
ERS1	C3		1050mA	143	11500	11600	80	81	456655	456675	
ERS1	23	D1	1050mA	64	4800	4900	75	77	456656	456676	
ERS1	A3		1050mA	90	7000	7100	78	79	456657	456677	
ERS1	B3		1050mA	117	9100	9200	78	79	456658	456678	
ERS1	C3		1050mA	143	11200	11300	78	79	456659	456679	
ERS1	23	E1	1050mA	64	5000	5000	78	78	456660	456680	
ERS1	A3		1050mA	90	7100	7200	79	80	456661	456681	
ERS1	B3		1050mA	117	9300	9500	79	81	456662	456682	
ERS1	C3		1050mA	143	11500	11600	80	81	456663	456683	

### NOTES:

- Max Operating Ambient 40° C
- 347-480V Not Available
- T Option Not Available
- For 1050mA Drive Current, Nominal Color Temperature (CCT) = 5300K

### Lumen Maintenance

- Projected L88 (10K)  $\geq$  50,000 at Ta 25C
- Projected L70 (10K)  $>$  100,000 at Ta 25C  
Based on 10,000h LM-80 data for Nichia 219B SQETMLH17005



# Ordering Number Logic

## Scalable Specification Grade Cobrahead (ERS2)



ERS2

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
<b>E</b> = Evolve <b>R</b> = Roadway <b>S</b> = Scalable  <b>2</b> = Double Module Optical Assembly	<b>0</b> = 120-277 <b>1</b> = 120 <b>2</b> = 208 <b>3</b> = 240 <b>4</b> = 277 <b>H</b> = 347-480 <b>D</b> = 347 <b>5</b> = 480	Product Tier <b>*3</b> = Specification Grade  See Charts for all levels	<b>A1</b> = Extra Narrow Asymmetric <b>B1</b> = Narrow Asymmetric (Medium) <b>C1</b> = Asymmetric (Short) <b>D1</b> = Asymmetric Forward <b>E1</b> = Asymmetric (Medium)	<b>5</b> = 525mA <b>7</b> = 700mA <b>1</b> = 1050mA	<b>40</b> = 4000K <b>50</b> = 5000K*  <b>NOTE:</b> For 1050mA drive current, nominal color temperature (CCT) = 5300K	<b>1</b> = None <b>2</b> = PE Rec. <b>4</b> = PE Rec. with Shorting Cap <b>5</b> = PE Rec. with Control <b>7</b> = GE Dimming 5-Pin PE Receptacle *† <b>9</b> = GE Dimming 5-Pin PE Receptacle with Shorting Cap *†  † When ordering PE function socket 7 or 9, a dimming driver add after dimming driver (D=Dimming) must also be ordered under the "OPTIONS" column  * Order dimming control PE as a separate item <b>NOTE:</b> A= ANSIC136.41 7-Pin dimming receptacle, contact manufacturer	<b>BLCK</b> = Black <b>GRAY</b> = Gray	<b>B</b> = Internal Bubble level <b>D</b> = Dimming* <b>F</b> = Fusing <b>G</b> = External Bubble Level <b>L</b> = Tool-Less Entry <b>R</b> = Additional Secondary Surge Protection Device <b>T</b> = GE Energy Extreme Surge Protection per IEEE/ANSI C62.41.2-2002. - Rating 1 - 10kV/5kA Location Category (120 events). - Rating 2 - 6kV/3kA Location Category C-Low (5000 events).  <b>XXX</b> = Special Options  * When ordering Dimming PE Receptacle 7, 9 or A, D=Dimming driver must be selected under "OPTIONS" column  <b>NOTE:</b> If no dimming receptacle under PE Function is selected and D=Dimming is selected under OPTIONS, 0-10v dimming leads will be provided with access through slipfitter opening in unit

525 mA			TYPICAL SYSTEM WATTAGE		TYPICAL INITIAL LUMENS		TYPICAL INITIAL LPW 4000K		TYPICAL INITIAL LPW 5000K		IES FILE NUMBERS	
PRODUCT ID	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	120-277V	4000K	5000K	120-277V	120-277V	4000K	5000K		
ERS2	D3	A1	525mA	88	8400	8500	95	97	456404	456429		
ERS2	E3		525mA	99	9500	9600	96	97	456405	456430		
ERS2	F3		525mA	112	10800	10900	96	97	456406	456431		
ERS2	G3		525mA	125	12100	12200	97	98	456407	456432		
ERS2	H3		525mA	133	13090	13240	98	100	222222	222222		
ERS2	D3	B1	525mA	88	8600	8700	98	99	456409	456434		
ERS2	E3		525mA	99	9700	9800	98	99	456410	456435		
ERS2	F3		525mA	112	11000	11200	98	100	456411	456436		
ERS2	G3		525mA	125	12400	12500	99	100	456412	456437		
ERS2	H3		525mA	138	13600	13800	99	100	456413	456438		
ERS2	D3	C1	525mA	88	8600	8700	98	99	456414	456439		
ERS2	E3		525mA	99	9700	9800	98	99	456415	456440		
ERS2	F3		525mA	112	11000	11200	98	100	456416	456441		
ERS2	G3		525mA	125	12400	12500	99	100	456417	456442		
ERS2	H3		525mA	138	13600	13800	99	100	456418	456443		
ERS2	D3	D1	525mA	88	8400	8500	95	97	456419	456444		
ERS2	E3		525mA	99	9500	9600	96	97	456420	456445		
ERS2	F3		525mA	112	10800	10900	96	97	456421	456446		
ERS2	G3		525mA	125	12100	12200	97	98	456422	456447		
ERS2	H3		525mA	138	13300	13400	96	97	456423	456448		
ERS2	D3	E1	525mA	88	8600	8700	98	99	456424	456449		
ERS2	E3		525mA	99	9700	9800	98	99	456425	456450		
ERS2	F3		525mA	112	11000	11200	98	100	456426	456451		
ERS2	G3		525mA	125	12400	12500	99	100	456427	456452		
ERS2	H3		525mA	138	13600	13800	99	100	456428	456453		

- NOTES:**
- Max Operating Ambient 50° C
  - 347-480V Not Available
  - For T Option Availability Contact Manufacturer

### Lumen Maintenance

- Projected L92 (10K) ≥ 50,000 at Ta 25C
  - Projected L70 (10K) > 100,000 at Ta 25C
- Based on 10,000h LM-80 data for Nichia 219B SQETMLH17005



## Scalable Specification Grade Cobrahead (ERS2)

1050 mA			TYPICAL SYSTEM WATTAGE	TYPICAL INITIAL LUMENS	TYPICAL INITIAL LPW 4000K	TYPICAL INITIAL LPW 5000K	IES FILE NUMBERS			
PRODUCT ID	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	120-277V	4000K	5000K* (5300K NOMINAL)	120-277V	120-277V	4000K	5000K
ERS2	D3	A1	1050mA	179	13700	13900	77	78	456684	456709
ERS2	E3		1050mA	204	15700	15900	77	78	456685	456710
ERS2	F3		1050mA	232	17700	18000	76	78	456686	456711
ERS2	G3		1050mA	257	19700	19900	77	77	456687	456712
ERS2	H3		1050mA	285	21500	21800	75	76	456688	456713
ERS2	D3	B1	1050mA	179	14000	14200	78	79	456689	456714
ERS2	E3		1050mA	204	16100	16300	79	80	456690	456715
ERS2	F3		1050mA	232	18200	18400	78	79	456691	456716
ERS2	G3		1050mA	257	20100	20400	78	79	456692	456717
ERS2	H3		1050mA	285	22000	22400	77	79	456693	456718
ERS2	D3	C1	1050mA	179	14000	14200	78	79	456694	456719
ERS2	E3		1050mA	204	16100	16300	79	80	456695	456720
ERS2	F3		1050mA	232	18200	18400	78	79	456696	456721
ERS2	G3		1050mA	257	20100	20400	78	79	456697	456722
ERS2	H3		1050mA	285	22000	22400	77	79	456698	456723
ERS2	D3	D1	1050mA	179	13700	13900	77	78	456699	456724
ERS2	E3		1050mA	204	15700	15900	77	78	456700	456725
ERS2	F3		1050mA	232	17700	18000	76	78	456701	456726
ERS2	G3		1050mA	257	19700	19900	77	77	456702	456727
ERS2	H3		1050mA	285	21500	21800	75	76	456703	456728
ERS2	D3	E1	1050mA	179	14000	14200	78	79	456704	456729
ERS2	E3		1050mA	204	16100	16300	79	80	456705	456730
ERS2	F3		1050mA	232	18200	18400	78	79	456706	456731
ERS2	G3		1050mA	257	20100	20400	78	79	456707	456732
ERS2	H3		1050mA	285	22000	22400	77	79	456708	456733

### NOTES:

- Max Operating Ambient 50° C
- 347-480V Not Available
- T Option Not Available

### Lumen Maintenance

- Projected L88 (10K) ≥ 50,000 at Ta 25C
- Projected L70 (10K) > 100,000 at Ta 25C  
Based on 10,000h LM-80 data for Nichia 219B SQETMLH17005

# Evolve™ LED Area Light

Scalable Wall Pack (EWS3)



**current**  
powered by GE



## Product Features

The GE Evolve LED Scalable Wall Pack is optimized for customers looking for an efficient and reliable LED solution to replace 75W - 250W Metal Halide wall mounted, site, area and general lighting applications.

Depending on the application, Evolve™ LED Scalable Wall Pack can yield up to a 75% reduction in system energy consumption compared with standard HID systems. Standard 0-10V dimming and an optional motion sensor with daylight harvesting can provide additional energy savings. The EWS3 offers a typical 105 LPW and is available in key lumen packages and reflective optics to optimize light output for most applications. This reliable system operates well in cold temperatures and offers more than 11 years of service life to reduce maintenance frequency and expense, based on a 50,000 hour rated life and 12 hours of operation per day. Containing no mercury or lead, this environmentally responsible product is RoHS compliant.

### Applications

- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.

### Housing

- Die-cast aluminum housing.
- Sleek architectural design incorporating a heat sink directly into the unit ensuring maximum heat transfer and long LED life.
- Meets 1.5 G vibration standards per ANSI C136.31-2010.

### LED & Optical Assembly

- Structured LED array for optimized light distribution.
- Evolve™ LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

### Lumen Maintenance

- Projected L90>47,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25°C for reference:

SKU	LXX (10K)@HOURS		
	25,000 HR	50,000 HR	100,000 HR
EWS3	L94	L89	L80

**Note:** 1) Projected Lxx based on LM80 (10,000 hour testing). 2) DOE Lighting Facts Verification Testing Tolerances apply to initial Luminous flux and lumen maintenance measurements.

### Lumen Ambient Temperature Factors:

AMBIENT TEMPERATURE (°C)	INITIAL FLUX FACTOR
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98
50	0.97

### Ratings

- UL listed, suitable for wet locations.
- UL listed with option code "J" SKUs.
- IP 65 rated optical enclosure per ANSI C136.25-2013.
- Title 24 compliant with motion sensor option.
- Temperature rated at -40° to 50°C. (35°C for high wattage 90W SKU).
- Upward Light Output Ratio (ULOR) = 0
- Complies with the material restrictions of RoHS.

### Mounting

- Flush wall mount to "J" box with inspection hole for IP 65.

### Finish

- Corrosion resistant polyester powder paint, minimum 2.0 mil. thickness.
- Standard colors: Black and Dark Bronze.
- RAL & custom colors available.

### Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%\*.
- Surge protection per ANSI C136.2-2015:
  - Exceeds "Basic" (6kV/3kA) (120 strike)
- EMI: FCC Title 47 CFR Part 15 Class A.
- Motion sensor with dimming capability available with "H" option code.
- Button PE Sensitivity: Fixture on-3.5Fc  
Fixture off-11.8 Fc

\* System THD <26% for 347-480v supply with A7 power level.

### Accessories

- Escutcheon Plates - See page 6

### Warranty

- 5 Year standard

# Ordering Number Logic

Scalable Wall Pack (EWS3)



## EWS3

PROD. ID	VOLTAGE	POWER LEVEL	PHOTOMETRIC TYPE	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
<b>E</b> = Evolve <b>W</b> = Wallpack <b>S</b> = Scalable <b>3</b> = Product Generation	<b>0</b> = 120-277* <b>1</b> = 120 <b>2</b> = 208 <b>3</b> = 240 <b>4</b> = 277 <b>5</b> = 480 <b>D</b> = 347 <b>H</b> = 347-480* *Not available with Fusing. Must choose a discreet voltage with F Option.		<b>D1</b> = Asymmetric Forward <b>E1</b> = Asymmetric Medium	<b>30</b> = 3000K <b>40</b> = 4000K <b>50</b> = 5000K	<b>1</b> = None <b>3</b> = Button PE* *Button PE not available with motion sensor option. Only available with discreet voltages. Not available with voltage options D, H or 5.	<b>BLCK</b> = Black <b>DKBZ</b> = Dark Bronze <b>GRAY</b> = Gray <b>WHITE</b> = White Contact manufacturer for other colors.	<b>F</b> = Fusing <b>H</b> = Motion Sensor* <b>J</b> = cUL/Canada <b>XXX</b> = Special Options *Option H only available in 120-277V. Reference page 5 (under H Motion Sensing Option) for more details.



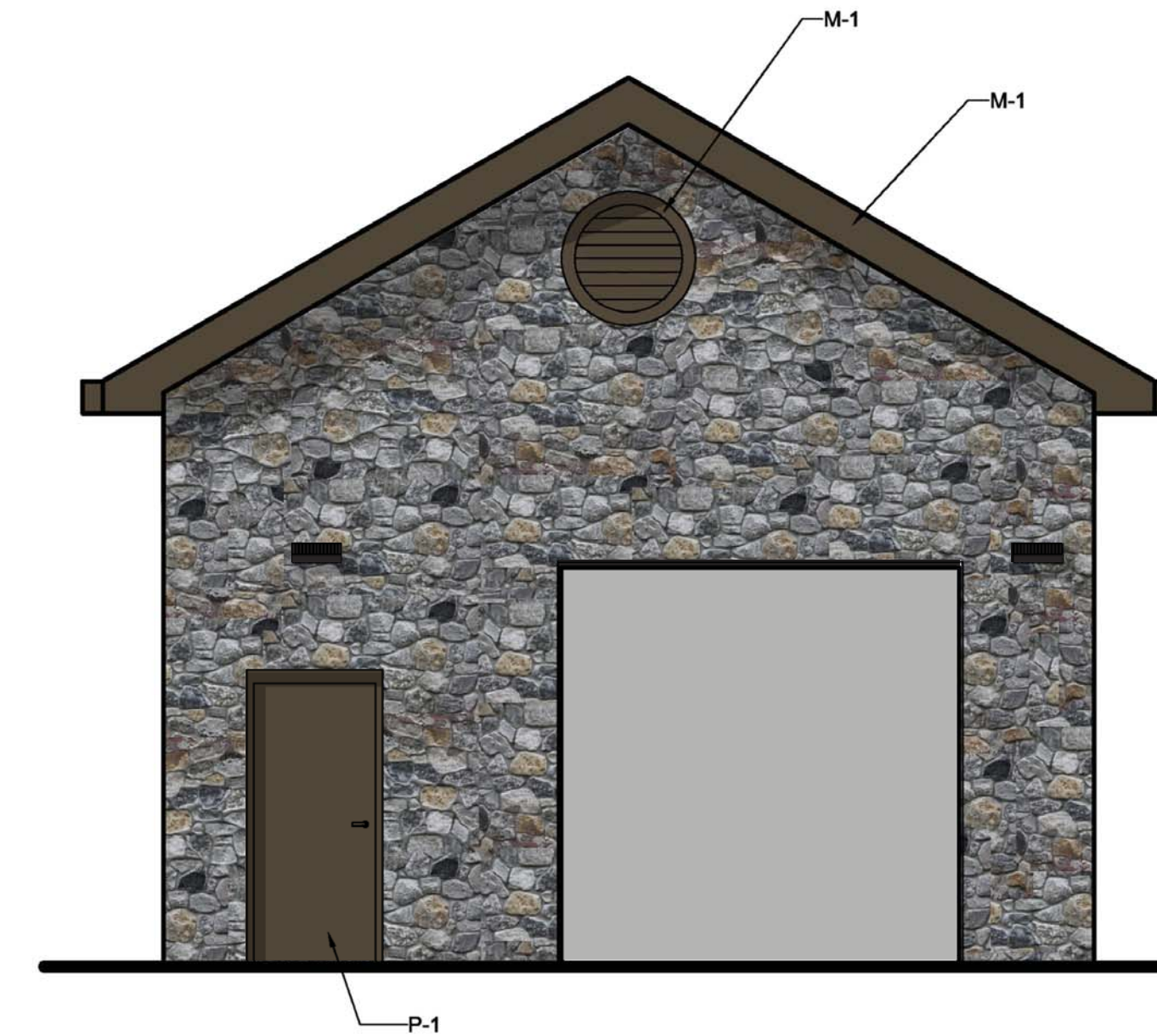
POWER LEVEL	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		B-U-G RATING		IES FILE NUMBERS		
		3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K	120-277V 3000K	120-277V 4000K	120-277V 5000K
A7	D1	2800	2900	25	28	1-0-1	1-0-1	EWS3_A7D130_____-120-277V.IES	EWS3_A7D140_____-120-277V.IES	EWS3_A7D150_____-120-277V.IES
	E1	2800	2900	25	28	1-0-0	1-0-1	EWS3_A7E130_____-120-277V.IES	EWS3_A7E140_____-120-277V.IES	EWS3_A7E150_____-120-277V.IES
B7	D1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7D130_____-120-277V.IES	EWS3_B7D140_____-120-277V.IES	EWS3_B7D150_____-120-277V.IES
	E1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7E130_____-120-277V.IES	EWS3_B7E140_____-120-277V.IES	EWS3_B7E150_____-120-277V.IES
C7	D1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7D130_____-120-277V.IES	EWS3_C7D140_____-120-277V.IES	EWS3_C7D150_____-120-277V.IES
	E1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7E130_____-120-277V.IES	EWS3_C7E140_____-120-277V.IES	EWS3_C7E150_____-120-277V.IES
D3	D1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3D130_____.IES	EWS3_D3D140_____.IES	EWS3_D3D150_____.IES
	E1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3E130_____.IES	EWS3_D3E140_____.IES	EWS3_D3E150_____.IES
E3	D1	8200	8600	90	90	2-0-2	2-0-2	EWS3_E3D130_____.IES	EWS3_E3D140_____.IES	EWS3_E3D150_____.IES
	E1	8200	8600	90	90	2-0-1	2-0-1	EWS3_E3E130_____.IES	EWS3_E3E140_____.IES	EWS3_E3E150_____.IES

POWER LEVEL	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		B-U-G RATING		IES FILE NUMBERS		
		3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K	347-480V 3000K	347-480V 4000K	347-480V 5000K
A7	D1	2800	2900	25	28	1-0-1	1-0-1	EWS3_A7D130_____-347-480V.IES	EWS3_A7D140_____-347-480V.IES	EWS3_A7D150_____-347-480V.IES
	E1	2800	2900	25	28	1-0-0	1-0-1	EWS3_A7E130_____-347-480V.IES	EWS3_A7E140_____-347-480V.IES	EWS3_A7E150_____-347-480V.IES
B7	D1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7D130_____-347-480V.IES	EWS3_B7D140_____-347-480V.IES	EWS3_B7D150_____-347-480V.IES
	E1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7E130_____-347-480V.IES	EWS3_B7E140_____-347-480V.IES	EWS3_B7E150_____-347-480V.IES
C7	D1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7D130_____-347-480V.IES	EWS3_C7D140_____-347-480V.IES	EWS3_C7D150_____-347-480V.IES
	E1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7E130_____-347-480V.IES	EWS3_C7E140_____-347-480V.IES	EWS3_C7E150_____-347-480V.IES
D3	D1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3D130_____.IES	EWS3_D3D140_____.IES	EWS3_D3D150_____.IES
	E1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3E130_____.IES	EWS3_D3E140_____.IES	EWS3_D3E150_____.IES
E3	D1	8200	8600	90	90	2-0-2	2-0-2	EWS3_E3D130_____.IES	EWS3_E3D140_____.IES	EWS3_E3D150_____.IES
	E1	8200	8600	90	90	2-0-1	2-0-1	EWS3_E3E130_____.IES	EWS3_E3E140_____.IES	EWS3_E3E150_____.IES

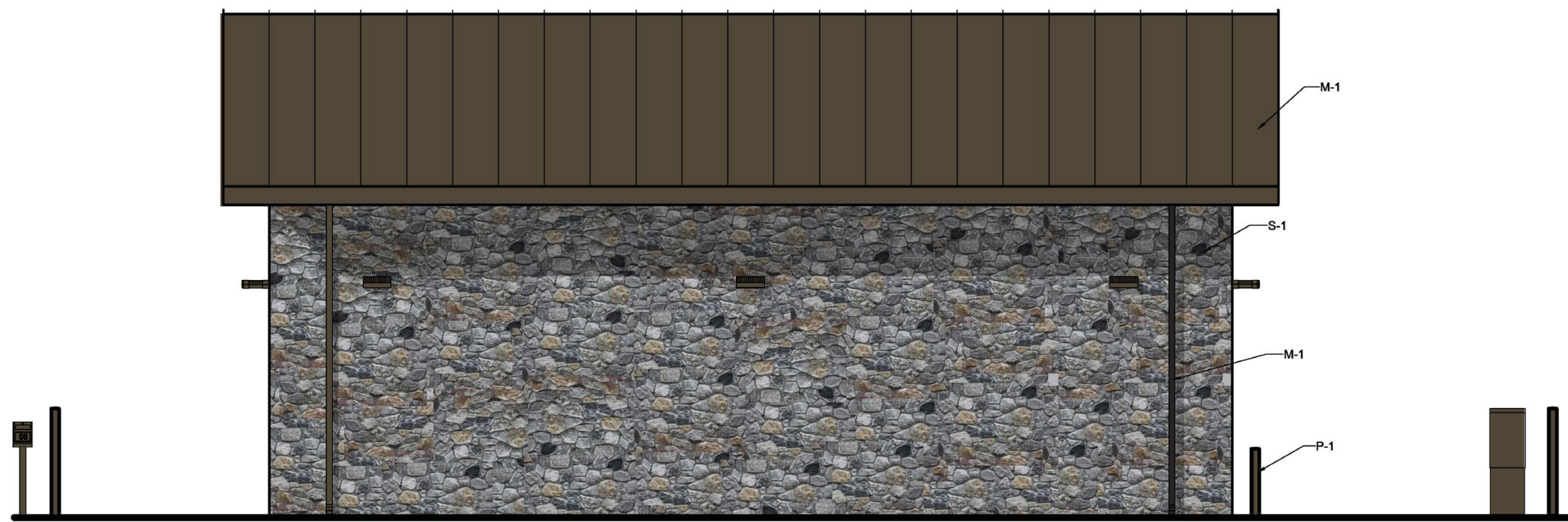




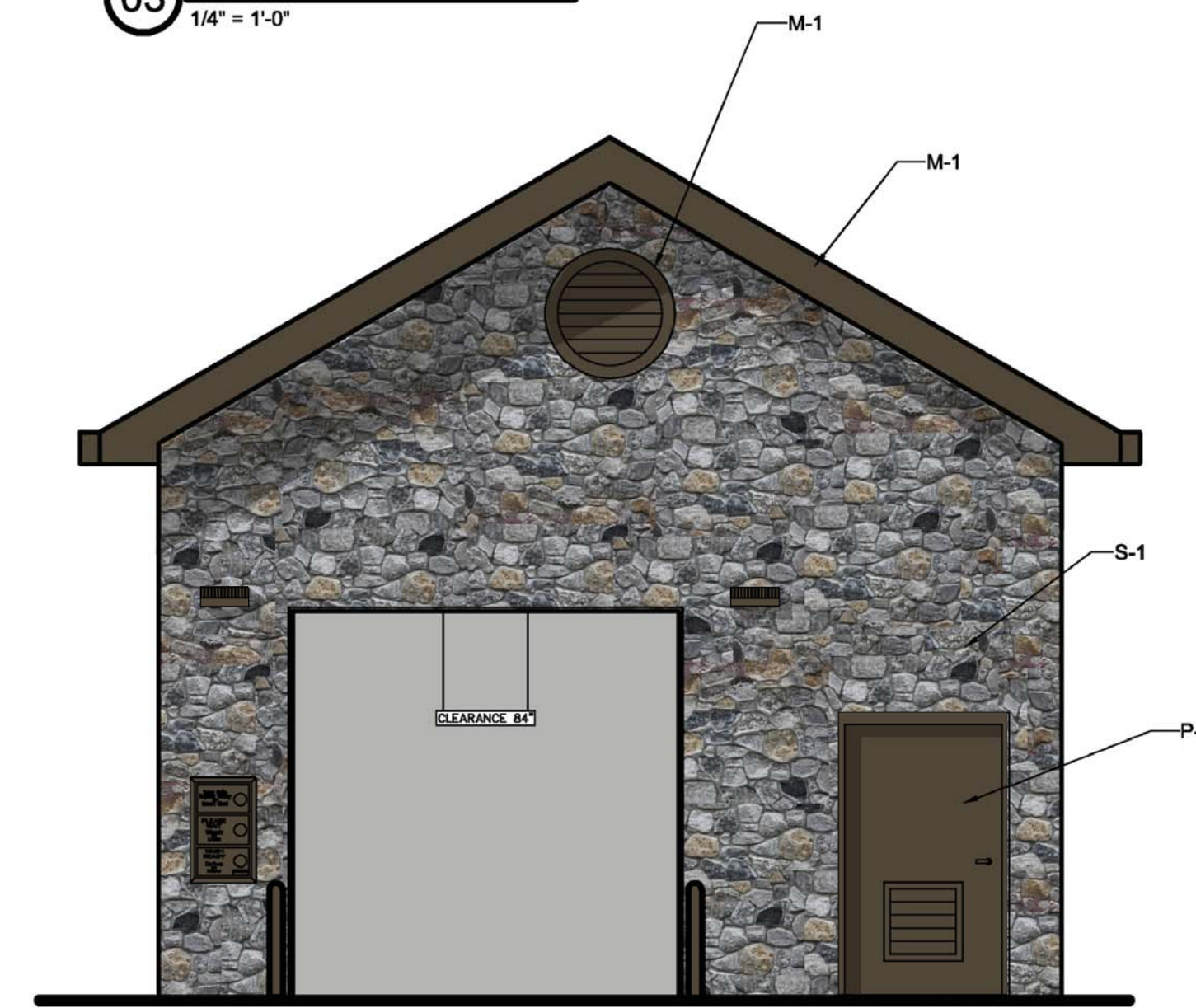
04 EAST ELEVATION  
1/4" = 1'-0"



03 NORTH ELEVATION  
1/4" = 1'-0"



02 WEST ELEVATION  
1/4" = 1'-0"

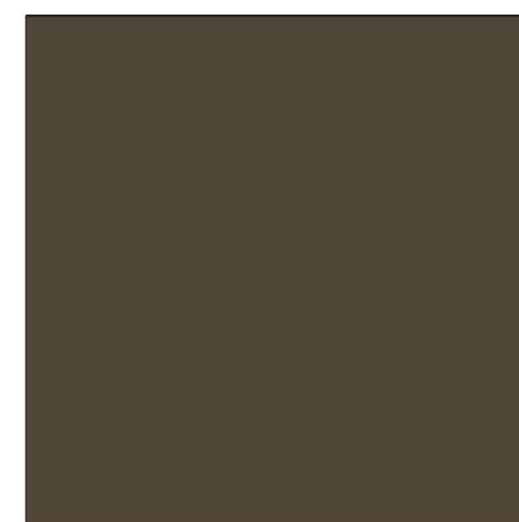


01 SOUTH ELEVATION  
1/4" = 1'-0"

MATERIAL SCHEDULE



S-1  
ALAMO STONE  
COTTAGE BROOK  
COBBELSTONE



M-1  
DARK BRONZE METAL



P-1  
PAINTED TO MATCH M-1

Rev. #	Date	Description

Proto 02-03-2017  
 7-ELEVEN, INC.  
 3200 HACKBERRY ROAD, IRVING, TEXAS 75063  
 7-11 CAR WASH ADDITION #34353  
 3520 HORIZON ROAD  
 ROCKWALL, TEXAS 75032



THE DIMENSION GROUP  
 ARCHITECTURE, CIVIL ENGINEERING, MEP ENGINEERING  
 10708 SANDHILL ROAD, DALLAS, TEXAS 75238  
 TEL: 214-944-9900 FAX: 214-944-9901

Job#: 18-608	Scale: NTS	Date: 09.28.18	Drawn By: J.J.	Checked By: K.S.
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SHEET:  
**PP**