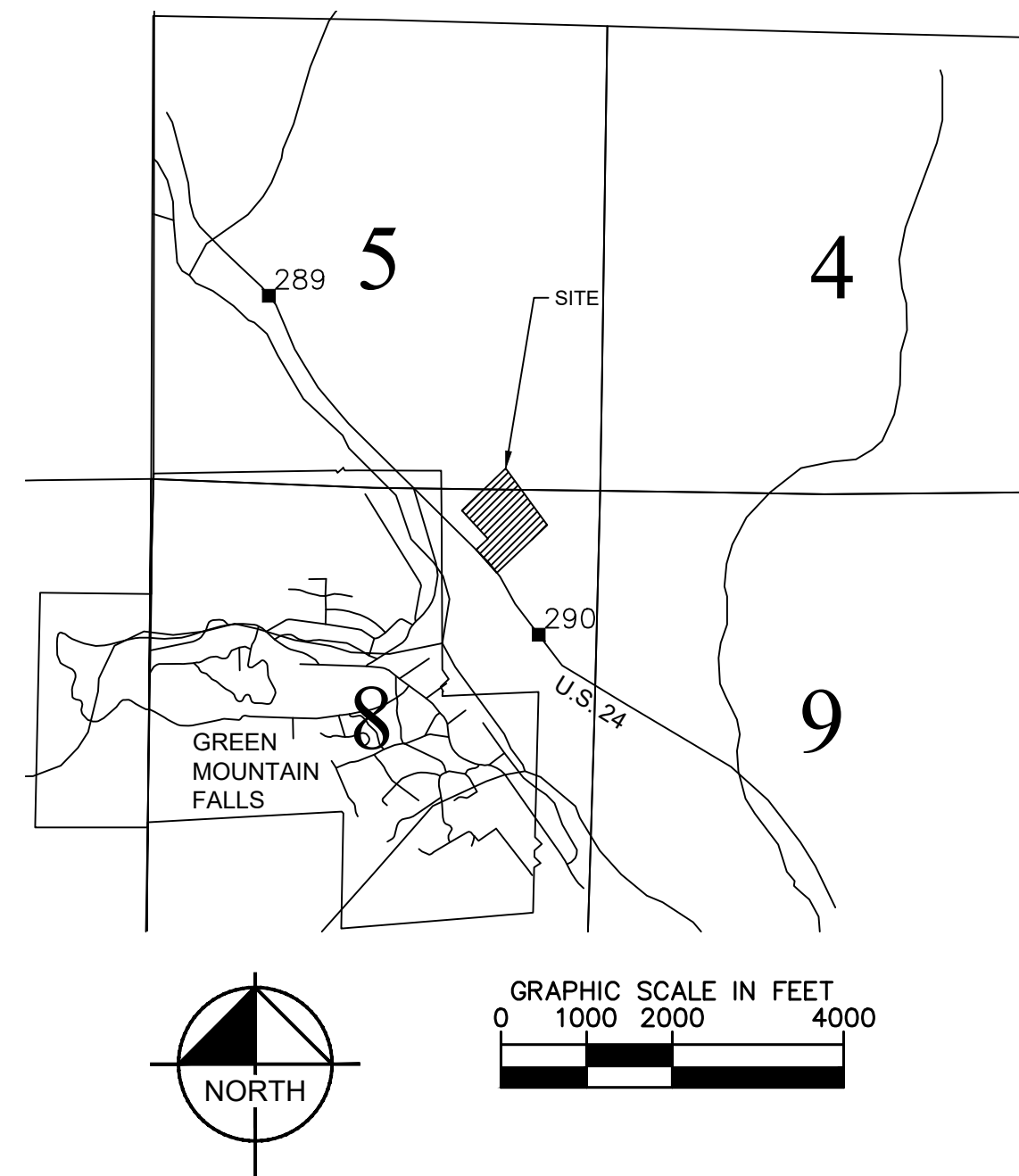


LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO

STANDARD NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND THE EL PASO ENGINEERING MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION.
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES. INCLUDING THE FOLLOWING:
 - a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM).
 - b. CITY OF COLORADO SPRINGS/ EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - d. CDOT M&S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROAD, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL VOLUME 1 AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED AND APPROVED IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEET WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD)- INSPECTIONS PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOORPLAN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS- ISSUED 401 AND/ OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAYMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SITE TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DPW AND MUTCD CRITERIA (IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTED WILL BE PROVIDED).
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITH THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.



SHEET INDEX	
Sheet Number	Sheet Title
DEVELOPMENT PLAN	
1	COVER SHEET
2	OVERALL SITE PLAN
3	SITE PLAN
4	UTILITY SHEET
5	GRADING PLAN
6	LANDSCAPE PLAN
7	LANDSCAPE NOTES
8	LANDSCAPE DETAILS
9	PHOTOMETRIC PLAN (1 OF 3)
10	PHOTOMETRIC PLAN (2 OF 3)
11	PHOTOMETRIC PLAN (3 OF 3)
12	SITE LIGHTING DETAILS
13	ARCHITECTURAL ELEVATIONS

ENGINEER'S SIGNATURE BLOCK

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED PLANS AND SPECIFICATIONS.

ERIC GUNDERSON, PE - KIMLEY-HORN AND ASSOCIATES, INC. DATE 07/17/19

OWNER'S SIGNATURE BLOCK

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

NAME _____ DATE _____

CONTACTS:

OWNER:
PEARSON MINISTRIES INTERNATIONAL, L.P.
PO BOX 77002
FORTH WORTH, TX 76177
TEL: (817) 992-2657
CONTACT: LAUREN LEEPER

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0182
CONTACT: ERIC GUNDERSON, P.E.

EL PASO COUNTY:
EL PASO COUNTY
PCD DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
PHONE: (719) 520-6300

SURVEYOR:
BARRON LAND, LLC
2790 N. ACADEMY BLVD. SUITE 311
COLORADO SPRINGS, CO 80917
TEL: (719) 360-6827
CONTACT: SPENCER BARRON, PLS

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180

REV: 9/17/19

COVER SHEET
SHEET 1 OF 13



PROJECT SITE SUMMARY

PARCEL NO. 8305400016
 ZONING INFORMATION: R-T
 LOT SIZE: 40.46 ACRES

PARCEL NO. 8300000004
 ZONING INFORMATION: R-T
 LOT SIZE: 40.37 ACRES

PARCEL NO. 8305400020
 ADDRESS 10460 W HIGHWAY 24
 ZONING INFORMATION: R-T
 LOT SIZE: 67.08 ACRES

BUILDING INFORMATION

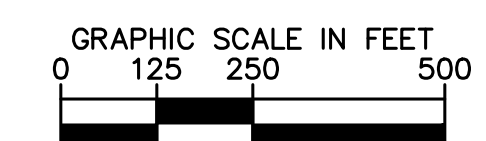
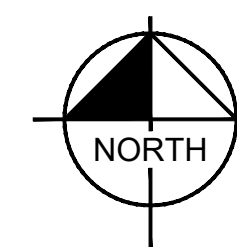
AREA: ± 19,000 S.F.
 CAPACITY: 520 SEATS

The letter of intent and the site plan on sheet 3 indicates 423 seats. Please revise accordingly.

K:\05_0110685600_Green Mountain Falls Church\CADD\Sheets\DP\050565600DP_SPOV.dwg Sep 17, 2019 11:24am

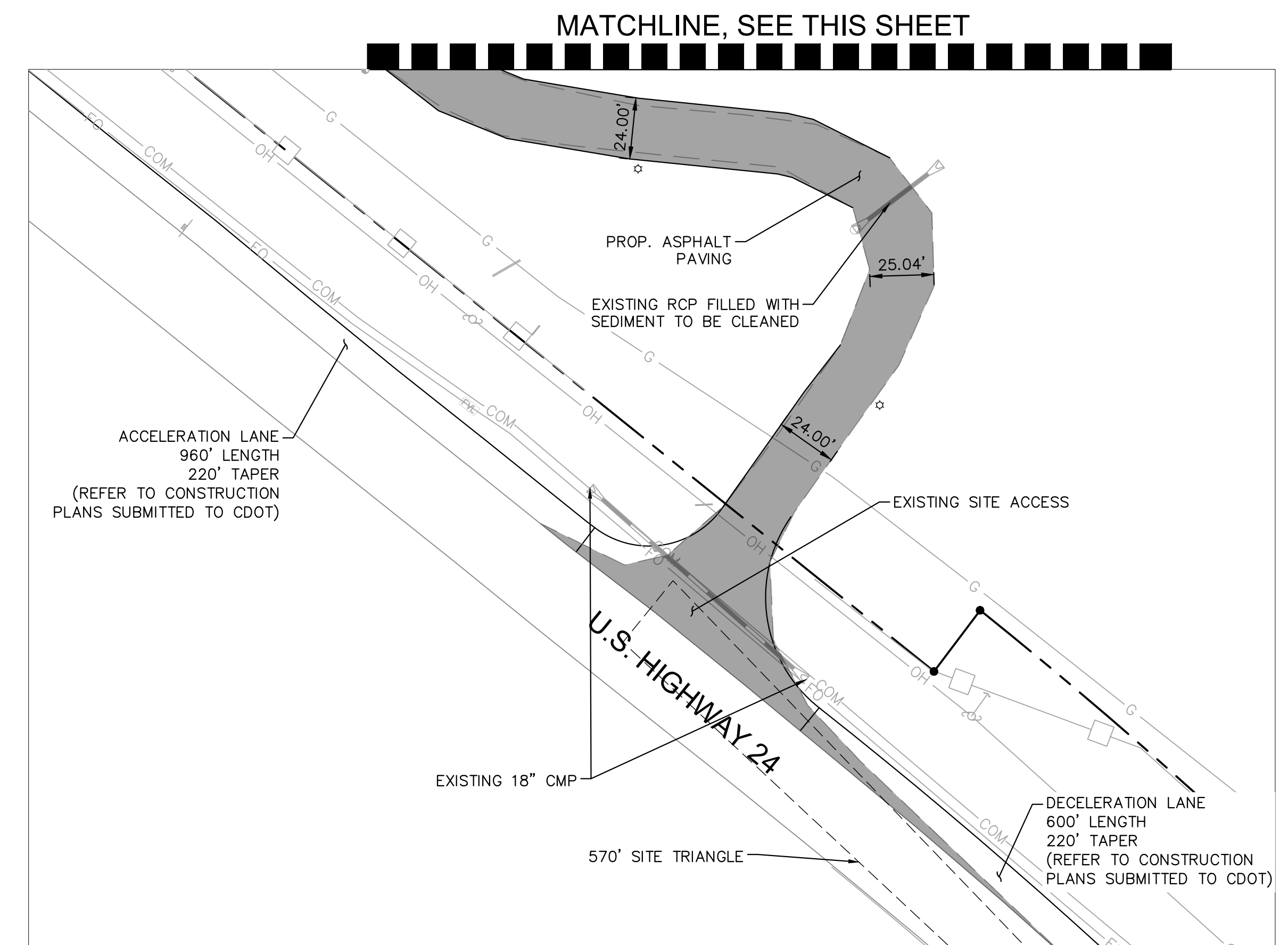
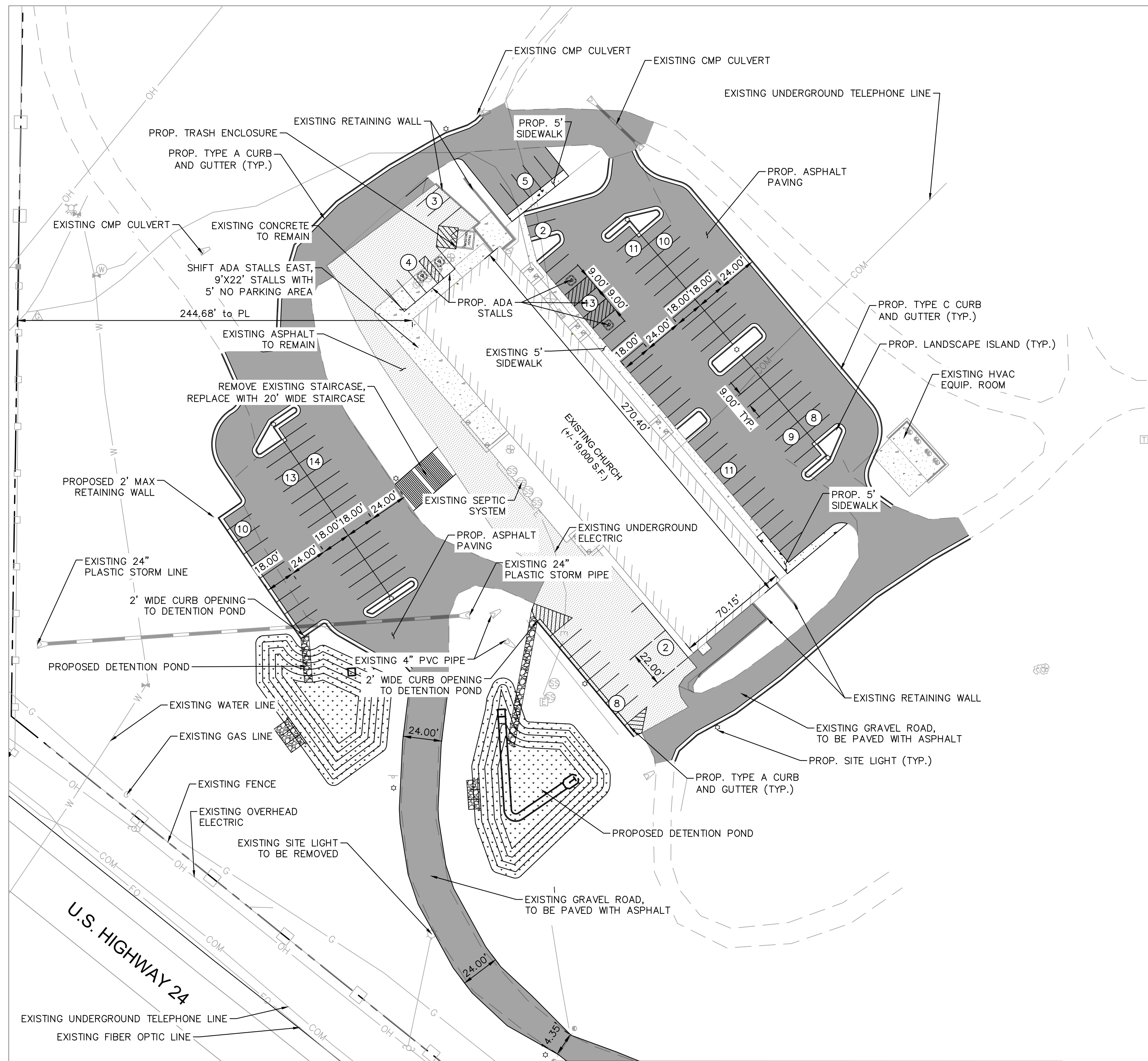


© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
 2 NORTH NEVADA AVENUE, SUITE 300
 COLORADO SPRINGS, COLORADO 80903 (719) 453-0180



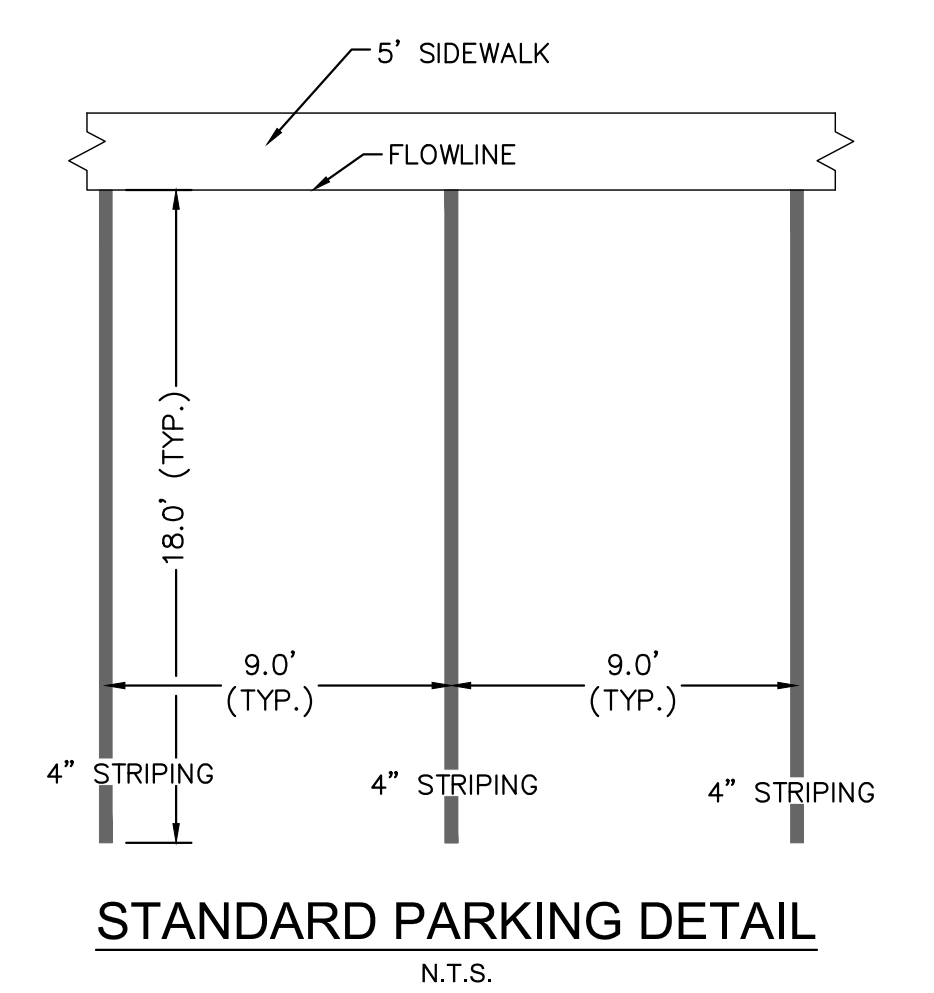
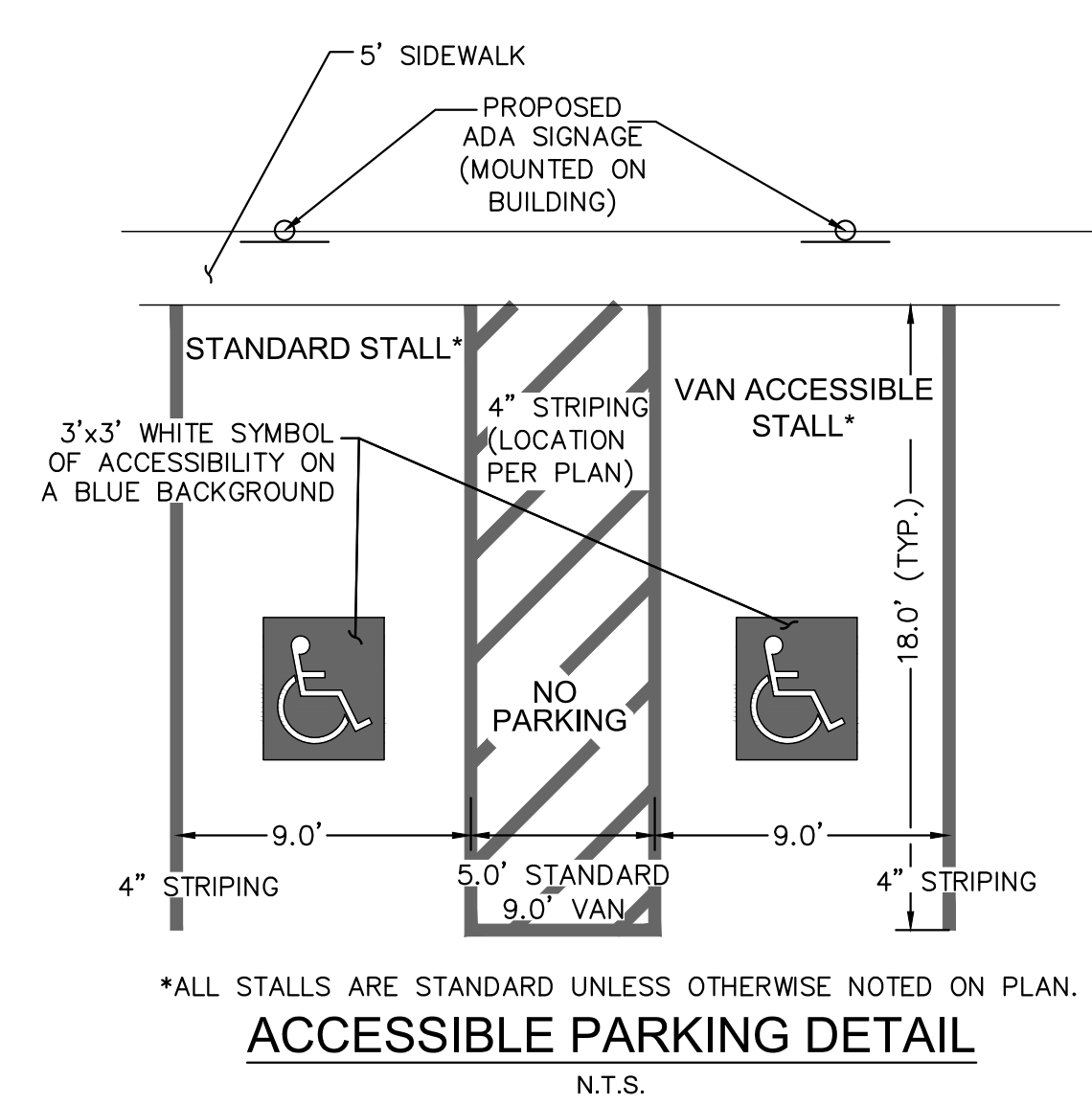
REV: 9/17/19

OVERALL SITE PLAN
 SHEET 2 OF 13



LEGEND

	PROPERTY LINE
	ACCESSIBLE ROUTE
	FIRE LANE
	CONCRETE SIDEWALK
	STANDARD DUTY ASPHALT
	LANDSCAPE AREA (REF: LANDSCAPE PLAN)



SITE DATA INFORMATION

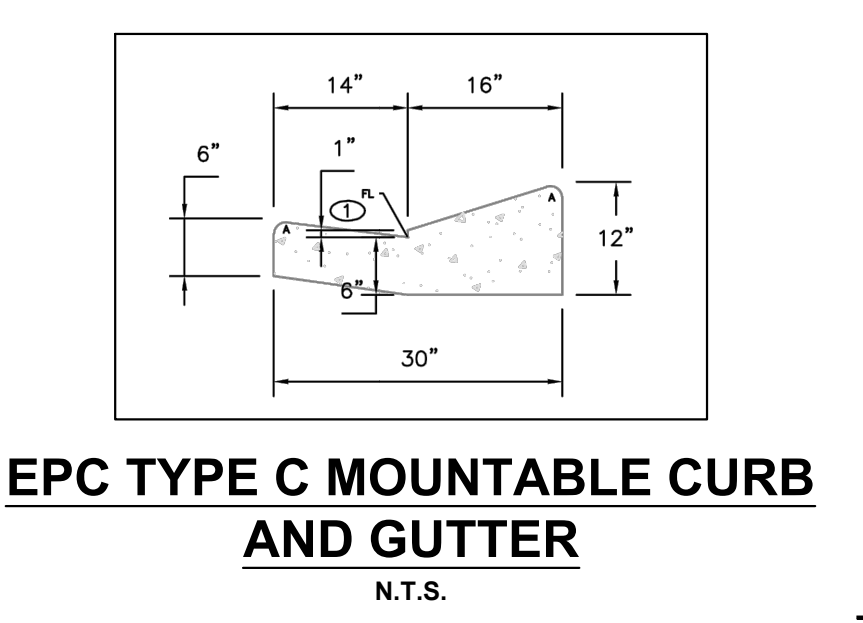
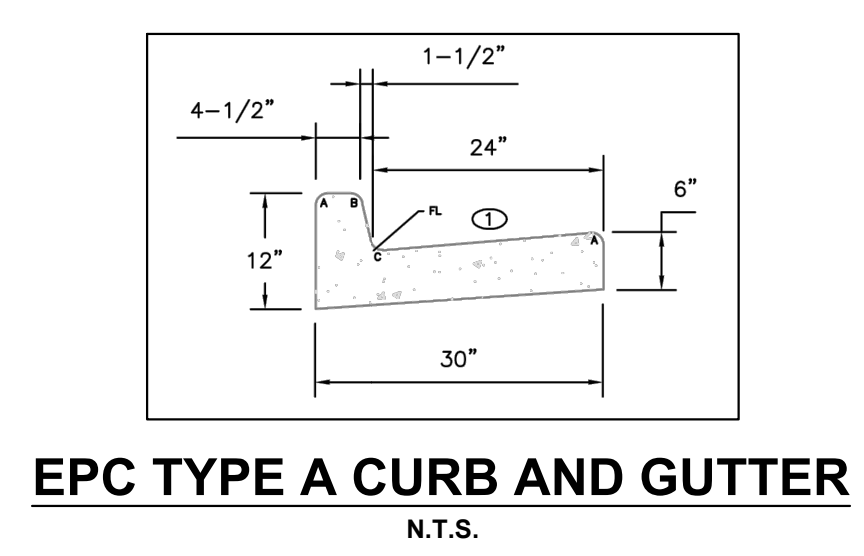
REQUIRED PARKING: 1 STALL PER 4 SEATS, OR 106 STALLS
 PROPOSED PARKING: 123 STALLS

REQUIRED ADA STALLS: 5 TOTAL, 1 VAN ACCESSIBLE (FOR 101-150 TOTAL SPACES)
 PROPOSED ADA STALLS: 5 (3 VAN ACCESSIBLE)

BUILDING CAPACITY: 423 SEATS

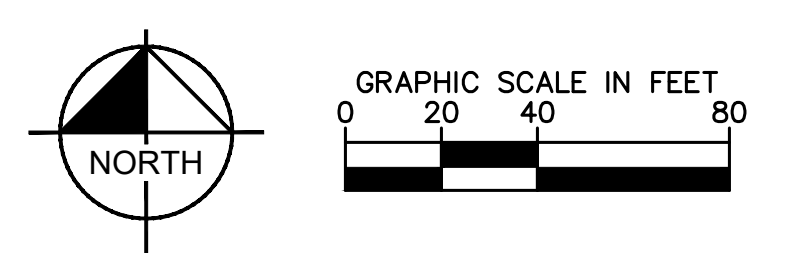
NOTES:

1. THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

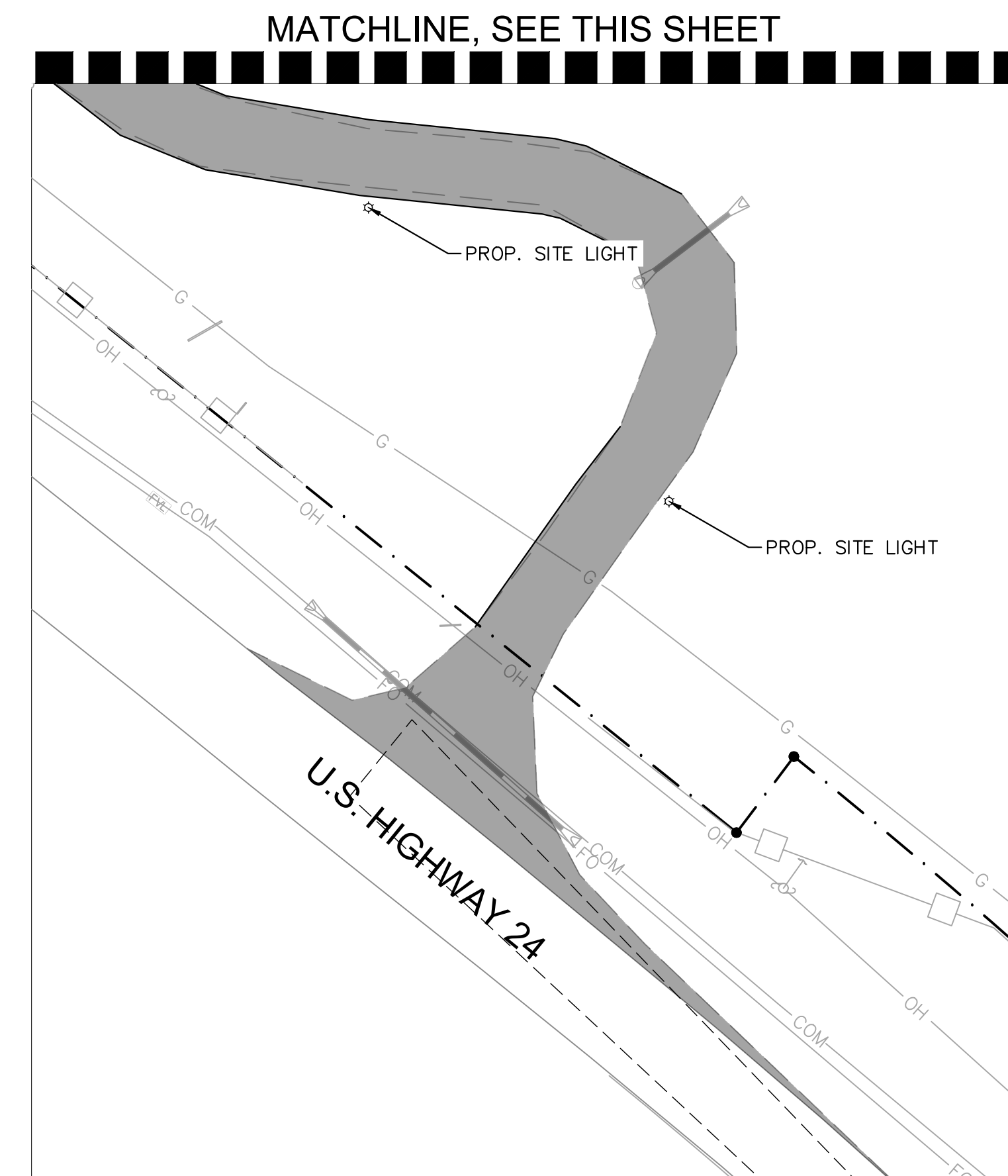
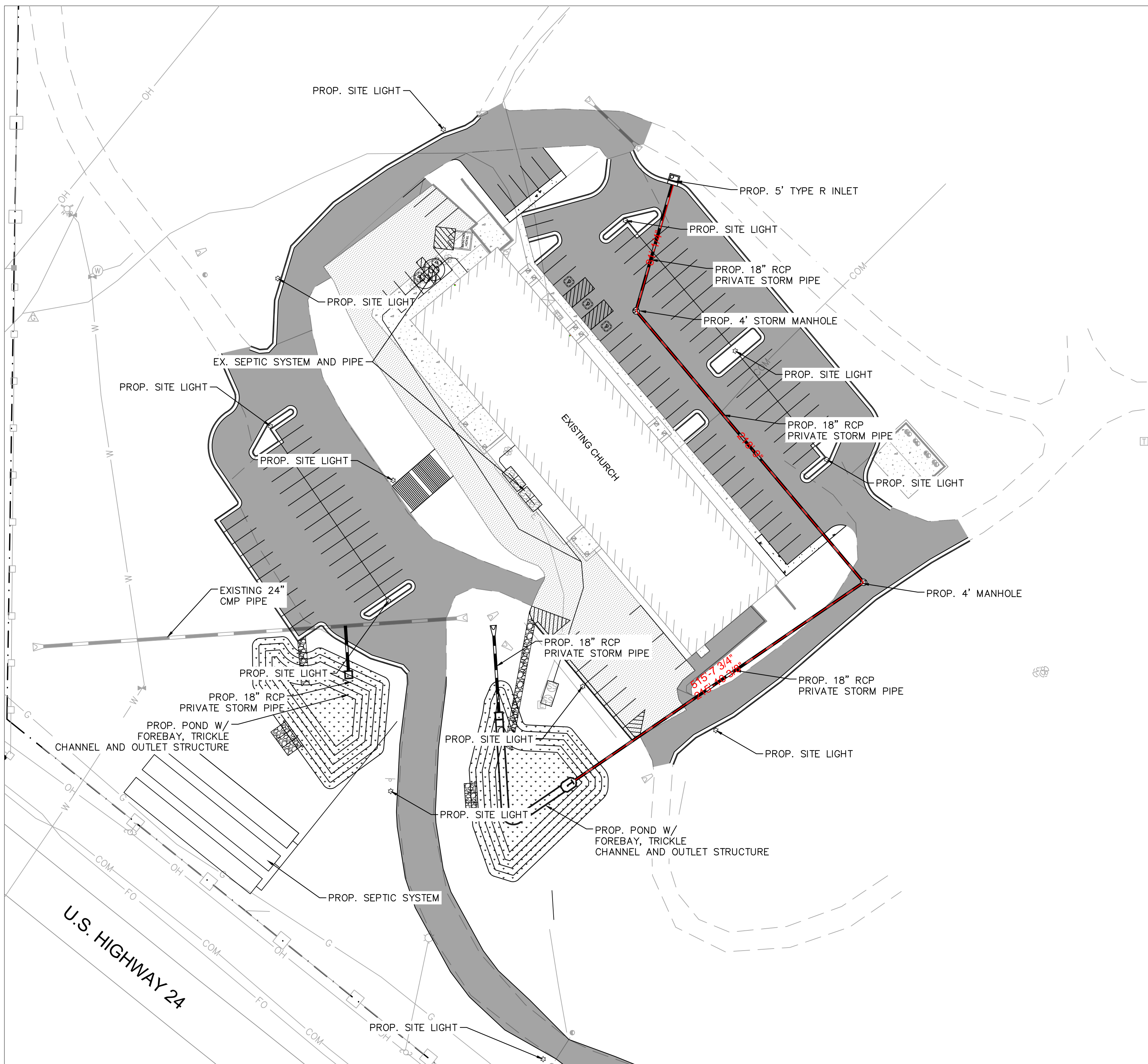


Kimley Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
 2 NORTH NEVADA AVENUE, SUITE 300
 COLORADO SPRINGS, COLORADO 80903 (719) 453-0180



REV: 9/17/19
SITE PLAN
 SHEET 3 OF 13



- LEGEND:**
- Boundary Monument Found
 - △ Control Point
 - ⊕ Sanitary Sewer/Septic Manhole
 - ⊖ Storm Culvert
 - ⊕ Water Valve
 - ⊕ Water Manhole
 - ⊕ Fire Hydrant
 - ⊕ Gas Meter
 - ⊕ Electric Light Pole
 - ⊕ Electric Pedestal
 - ⊕ Electric Cabinet/Box
 - ⊕ Electric Transformer
 - ⊕ Fiber-Optic Vault/Handhole
 - ⊕ Telephone Pedestal
 - ⊕ Utility Pole
 - Guy Wire
 - ⊕ Utility Clean-out
 - Bollard
 - ⊕ Street Sign
 - ⊕ Delineator Post
 - ♿ Handicap Parking
 - ⊕ Building Column
 - Guardrail
 - Barbed-wire Fence
 - Split-rail Fence
 - Chain-link Fence
 - Underground Storm Line
 - W — Underground Water Line
 - G — Underground Gas Line
 - OH — Overhead Electric Line
 - E — Underground Electric Line
 - FO — Underground Fiber-optic Line
 - OH — Overhead Telephone Line
 - COM — Underground Telephone Line
 - ▨ Asphalt Surface
 - ▨ Concrete Surface

MATCHLINE, SEE THIS SHEET

SITE DATA INFORMATION

REQUIRED PARKING: 1 STALL PER 4 SEATS, OR 130 STALLS
 PROPOSED PARKING: 130 STALLS

REQUIRED ADA STALLS: 5 TOTAL, 1 VAN ACCESSIBLE (FOR 101-150 TOTAL SPACES)
 PROPOSED ADA STALLS: 5 (3 VAN ACCESSIBLE)

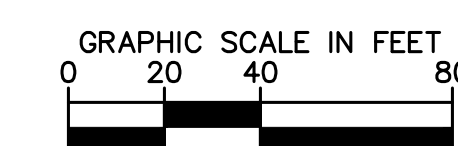
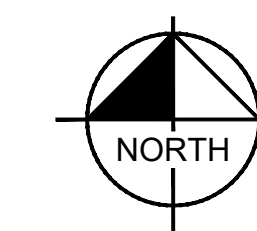
BUILDING CAPACITY: 520 SEATS

Review 1 comment:
 Parking information does not match what is shown on the previous page. Revise accordingly.

Review 2: Unresolved. The building capacity also does not match the previous page. Please revise so that all the information is matching.



© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
 2 NORTH NEVADA AVENUE, SUITE 300
 COLORADO SPRINGS, COLORADO 80903 (719) 453-0180

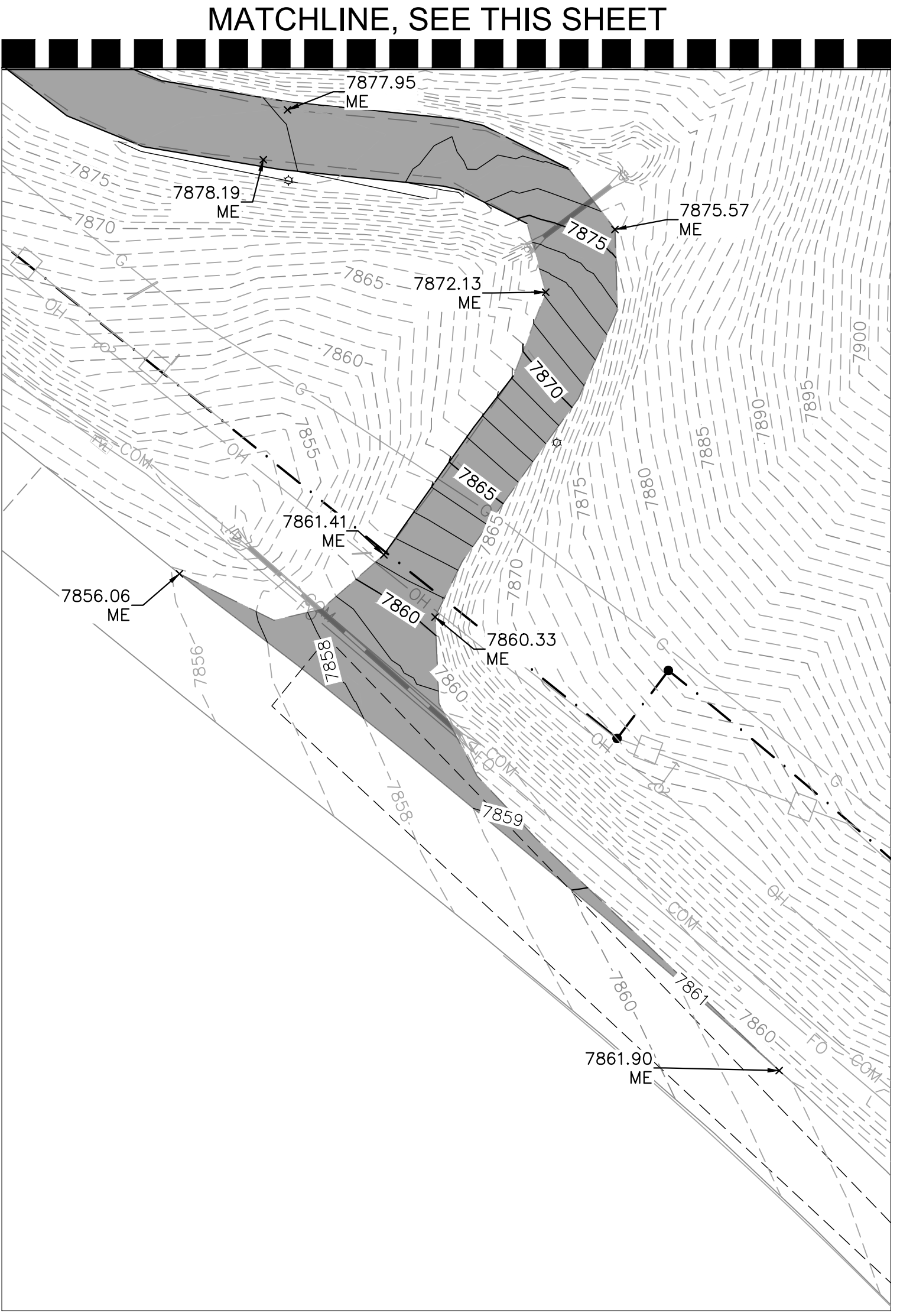


REV: 9/17/19
UTILITY SHEET
SHEET 4 OF 13

K:\ss_civil\06865000_Green Mountain Falls Church\CADD\Sheets\DP\06865000DP_UT.dwg Sep 17, 2019 11:25am

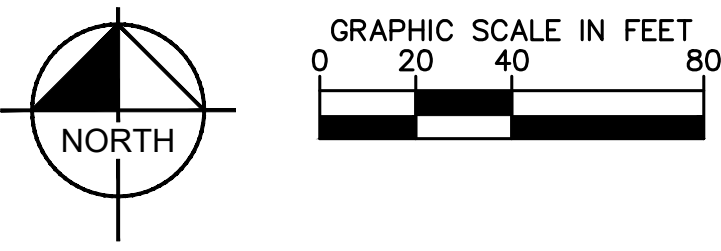
LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



LEGEND

	PROPERTY LINE
	ACCESSIBLE ROUTE
	GRADE BREAK
	6000 PROPOSED MAJOR CONTOUR
	6001 PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	CONCRETE SIDEWALK
	STANDARD DUTY ASPHALT
	LANDSCAPE AREA (REF: LANDSCAPE PLAN)
	FINISHED GRADE
	MATCH EXISTING
	FLOW LINE



© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180

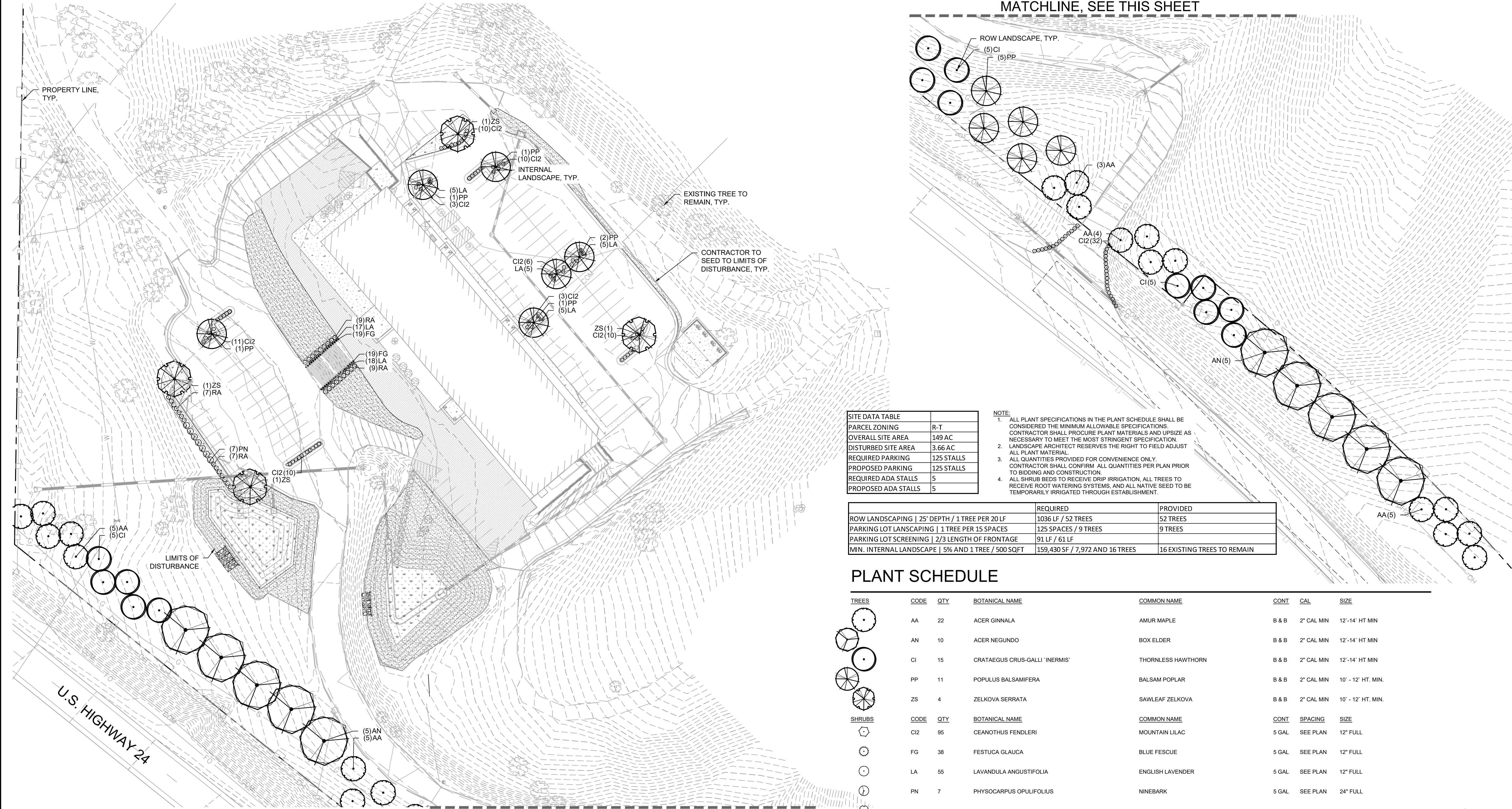
REV: 9/17/19

GRADING PLAN
SHEET 5 OF 13

LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO

MATCHLINE, SEE THIS SHEET



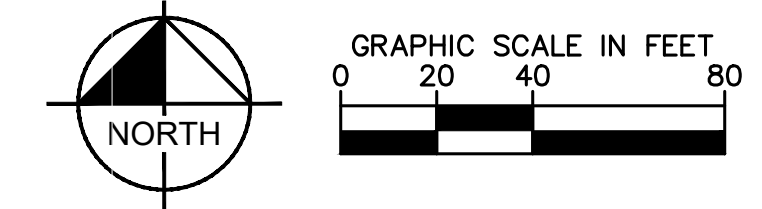
SITE DATA TABLE	
PARCEL ZONING	R-T
OVERALL SITE AREA	149 AC
DISTURBED SITE AREA	3.66 AC
REQUIRED PARKING	125 STALLS
PROPOSED PARKING	125 STALLS
REQUIRED ADA STALLS	5
PROPOSED ADA STALLS	5

NOTE:
 1. ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.
 2. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
 3. ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
 4. ALL SHRUB BEDS TO RECEIVE DRIP IRRIGATION. ALL TREES TO RECEIVE ROOT WATERING SYSTEMS, AND ALL NATIVE SEED TO BE TEMPORARILY IRRIGATED THROUGH ESTABLISHMENT.

	REQUIRED	PROVIDED
ROW LANDSCAPING 25' DEPTH / 1 TREE PER 20 LF	1036 LF / 52 TREES	52 TREES
PARKING LOT LANDSCAPING 1 TREE PER 15 SPACES	125 SPACES / 9 TREES	9 TREES
PARKING LOT SCREENING 2/3 LENGTH OF FRONTAGE	91 LF / 61 LF	
MIN. INTERNAL LANDSCAPE 5% AND 1 TREE / 500 SQFT	159,430 SF / 7,972 AND 16 TREES	16 EXISTING TREES TO REMAIN

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	AA	22	ACER GINNALA	AMUR MAPLE	B & B	2" CAL MIN	12'-14" HT MIN
	AN	10	ACER NEGUNDO	BOX ELDER	B & B	2" CAL MIN	12'-14" HT MIN
	CI	15	CRATAEGUS CRUS-GALLI 'INERMIS'	THORNLESS HAWTHORN	B & B	2" CAL MIN	12'-14" HT MIN
	PP	11	POPULUS BALSAMIFERA	BALSAM POPLAR	B & B	2" CAL MIN	10' - 12' HT. MIN.
	ZS	4	ZELKOVA SERRATA	SAWLEAF ZELKOVA	B & B	2" CAL MIN	10' - 12' HT. MIN.
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
	CI2	95	CEANOTHUS FENDLERI	MOUNTAIN LILAC	5 GAL	SEE PLAN	12" FULL
	FG	38	FESTUCA GLAUCA	BLUE FESCUE	5 GAL	SEE PLAN	12" FULL
	LA	55	LAVANDULA ANGSTIFOLIA	ENGLISH LAVENDER	5 GAL	SEE PLAN	12" FULL
	PN	7	PHYSOCARPUS OPULIFOLIUS	NINEBARK	5 GAL	SEE PLAN	24" FULL
	RA	32	RIBES ALPINUM	ALPINE CURRANT	5 GAL	SEE PLAN	18" FULL
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	DB	5,609 SF	IRRIGATED DETENTION BASIN MIX BY APPLEWOOD SEED	DETENTION BASIN MIX BY APPLEWOOD SEED	SEED		
	NS	18,989 SF	SHORTGRASS NATIVE SEED MIX	NATIVE SEED MIX BY APPLEWOOD SEED	SEED		
	RM	3,250 SF	ROCK MULCH	1-2" RIVER ROCK MULCH			



REV: 9/17/19

LANDSCAPE PLAN
SHEET 6 OF 13

K:\cs_civil\098856000_green mountain falls_church\CADD\Sheets\DP\098856000DP_LA.dwg Sep 17, 2019 4:30pm

LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF
SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13
SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO

GENERAL LANDSCAPE SPECIFICATIONS

- A. SCOPE OF WORK**
1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.
- B. PROTECTION OF EXISTING STRUCTURES**
1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BEST MANAGEMENT PRACTICES (BMP) DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MAINTENANCE OF TRAFFIC (MOT) THAT MAY BE REQUIRED FOR THE PROJECT.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR: REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERE TO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- C. PROTECTION OF EXISTING PLANT MATERIALS**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPE AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF FOUR HUNDRED DOLLARS (\$400) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
 2. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.
- D. MATERIALS**
- 1. GENERAL**
- MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.
- | MATERIAL | SAMPLE SIZE |
|-------------|--|
| MULCH | ONE (1) CUBIC FOOT |
| TOPSOIL MIX | ONE (1) CUBIC FOOT |
| PLANTS | ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY) |
- 2. PLANT MATERIALS**
- a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL PLANT MATERIAL SHALL MEET OR EXCEED CURRENT AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1 AND THE COLORADO NURSERY ACT AND ACCOMPANYING RULES AND REGULATIONS. ALL PLANTS SHALL BE HEALTHY VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS.
 - b. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY.
 - c. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM PROJECT LANDSCAPE ARCHITECT.
 - d. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE PROJECT LANDSCAPE ARCHITECT.
 - e. THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
 - f. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.
- E. SOIL MIXTURE**
1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:
 2. SOIL MIXTURE SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
 - a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT OPENINGS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH; IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER, HAVE A PH BETWEEN 5.5 AND 8.0, AND SOLUBLE SALTS LESS THAN 3.0 MMHOS/CM. SUBMIT SOIL SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
 - b. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
3. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT THE PROJECT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- F. WATER**
1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- * WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- G. FERTILIZER**
1. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.
- * FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- H. MULCH**
1. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES CLEAR MULCH FROM EACH PLANT'S CROWN (BASE) OR AS SHOWN IN PLANTING DETAILS. MULCH SHALL 1 1/2" RIVER ROCK, UNLESS OTHERWISE NOTED ON PLANS. SUBMIT SAMPLES TO PROJECT LANDSCAPE ARCHITECT FOR APPROVAL.
 2. MULCH SHALL BE PROVIDED OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE RING (6" MINIMUM) PLANTED UNDER THIS CONTRACT, AS WELL AS FOR ANY EXISTING LANDSCAPE AREAS AS SHOWN ON PLANS.
- I. DIGGING AND HANDLING**
1. ALL TREES SPECIFIED SHALL BE BALLED AND BURLAPPED (B&B) UNLESS OTHERWISE APPROVED BY PROJECT LANDSCAPE ARCHITECT.
 2. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING. AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT (WILTFRUF® OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
 3. B&B AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.
- J. CONTAINER GROWN STOCK**
1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
 2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
 3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- K. MATERIALS LIST**
1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE PLANS SHALL GOVERN. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.
- L. FINE GRADING**
1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.
 2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH.
 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.
- M. PLANTING PROCEDURES**
1. THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, BUILDING MATERIALS, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM PLANTING AREAS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS IN PLANTING AREAS WHICH WILL ADVERSELY AFFECT THE PLANT GROWTH, THE CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL COLORADO (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 3. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTING AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.
 4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
 5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE SHALL BE EXERCISED.
 6. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
 7. PRIOR TO EXCAVATION OF TREE OPENINGS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL.
 8. EXCAVATION OF TREE OPENINGS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.
 9. IN CONTINUOUS SHRUB AND GROUND COVER BEDS, THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF ONE FOOT BEYOND THE DIAMETER OF A SINGLE ROOT BALL. THE BED SHALL BE TILLED TO A DEPTH EQUAL TO THE ROOT BALL DEPTH PLUS 6".
 10. TREE OPENINGS FOR WELL DRAINED SOILS SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL WILL BE FLUSH WITH FINISH GRADE. IN POORLY DRAINED SOILS THE TREE OPENING SHALL BE DUG SO THAT THE ROOT BALL RESTS ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL IS 1" ABOVE FINISH GRADE. PLANT PIT WALLS SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.
 11. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
 12. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 'E'.
 13. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
 14. AMEND PINE AND OAK PLANT OPENINGS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT OPENINGS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
 15. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE.
 16. ALL BURLAP, ROPE, WIRES, BASKETS, ETC... SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
 17. TREES SHALL BE PRUNED, IN ACCORDANCE WITH ANSI A-300, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST.
 18. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOWN ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 'E'. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
 19. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
 20. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S RECOMMENDATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)
- N. LAWN SODDING**
1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
 2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
 3. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
 4. SODDING
 - a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
 - b. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
 5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
 6. LAWN MAINTENANCE
 - a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK, INCLUDING REGRADING IF NECESSARY.
 - b. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY. 5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
 6. LAWN MAINTENANCE
 - a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK, INCLUDING REGRADING IF NECESSARY.
 - b. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- O. CLEANUP**
1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM CONTRACTOR'S WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- P. PLANT MATERIAL MAINTENANCE**
1. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, PRUNING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
- Q. FINAL INSPECTION AND ACCEPTANCE OF WORK**
1. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.
- R. WARRANTY**
1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
 2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.
 3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.

K:\docs_civil\096856000_green mountain falls_church\CADD\Sheets\DP\096856000DP_LA.dwg, Sep 17, 2019, 4:30pm

Kimley»Horn

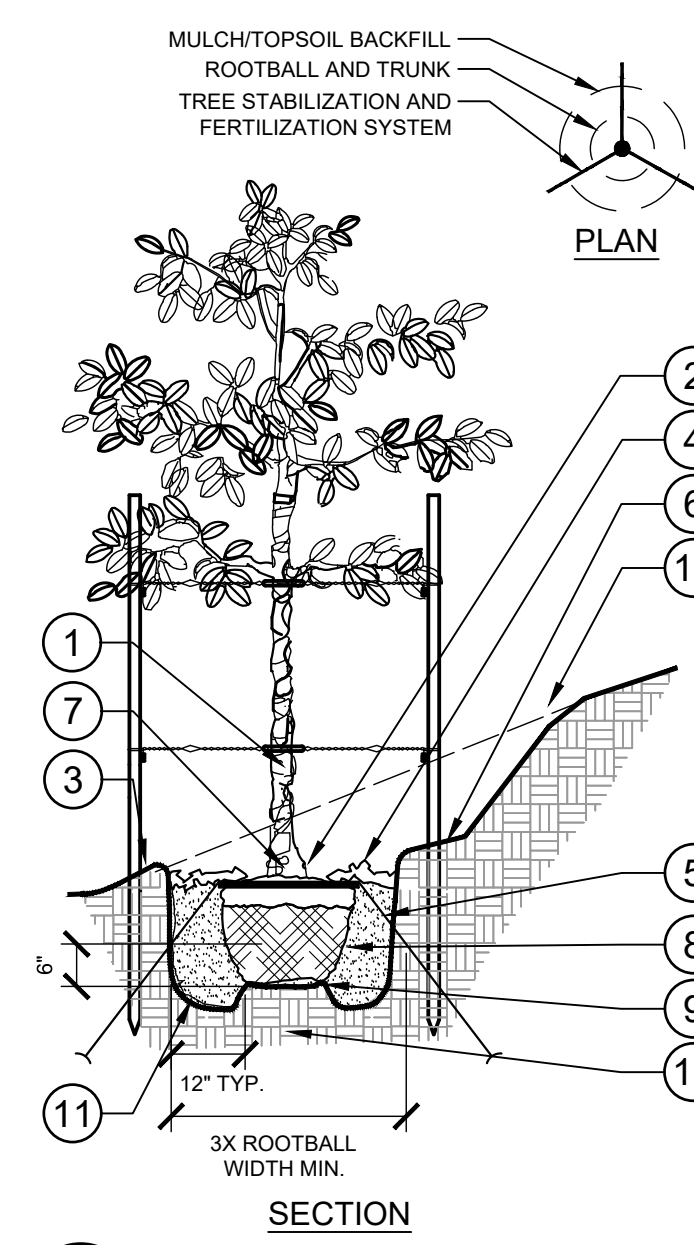
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180

REV: 9/17/19

LANDSCAPE NOTES
SHEET 7 OF 13

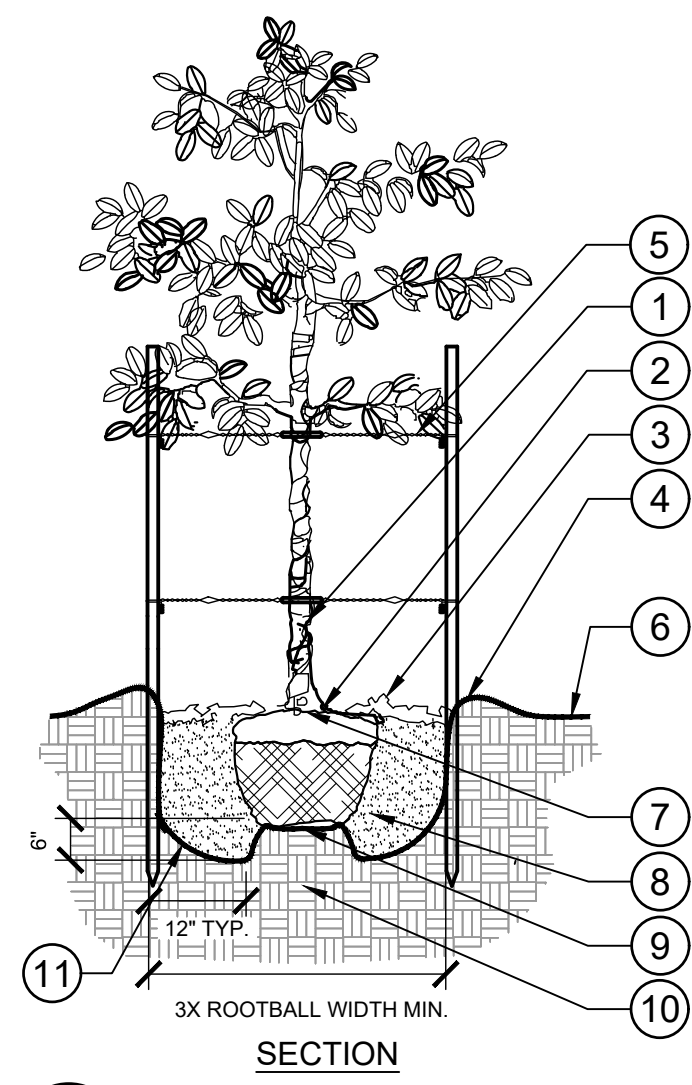
LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



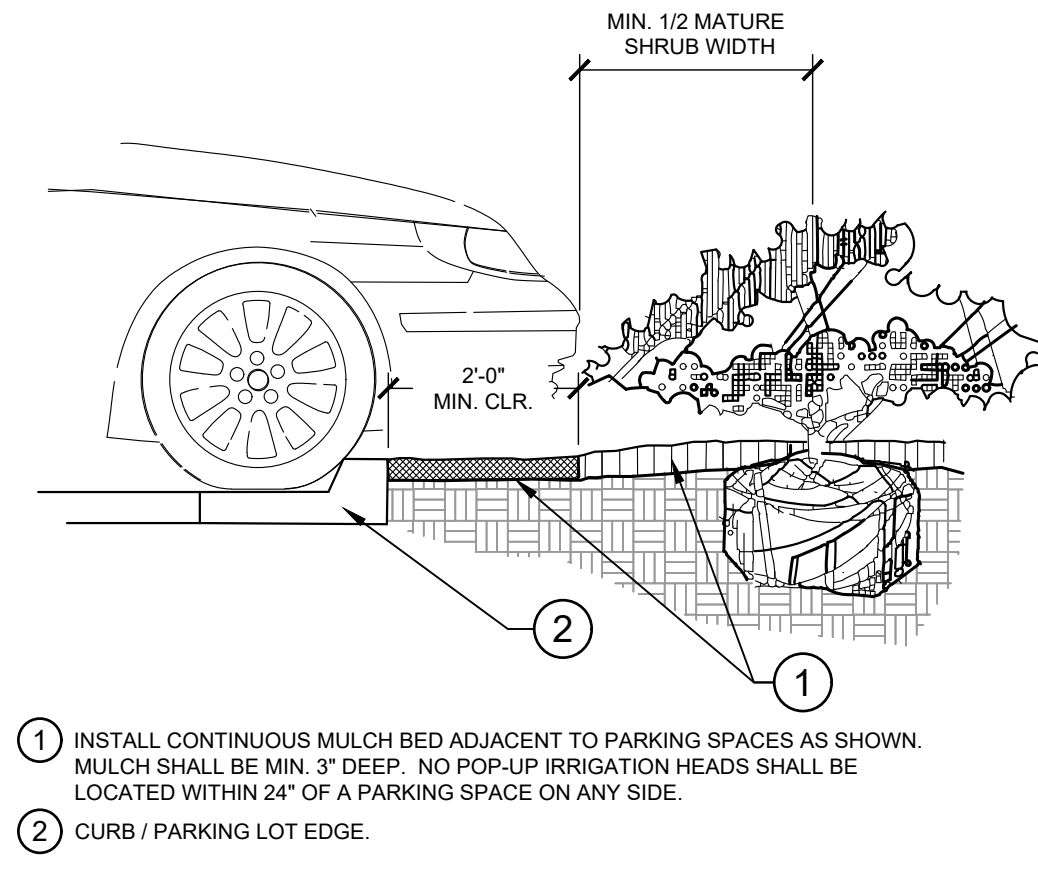
- 1 TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
 - 2 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
 - 3 3.4" HIGH BERM, FIRMLY COMPACTED.
 - 4 3" MINIMUM OF HARDWOOD BARK MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6" DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - 5 TERRA TOGGLE EARTH ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - 6 4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE. (SEE GRADING PLAN)
 - 7 TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
 - 8 PREPARED PLANTING SOIL AS SPECIFIED.
 - 9 ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH. UNDISTURBED NATIVE SOIL.
 - 10 UNDISTURBED NATIVE SOIL.
 - 11 SCARIFY BOTTOM AND SIDES OF PLANTING PIT.
 - 12 CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.
- NOTES:
- A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
 - B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRLDE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
 - C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING ON A SLOPE
SECTION / PLAN NTS



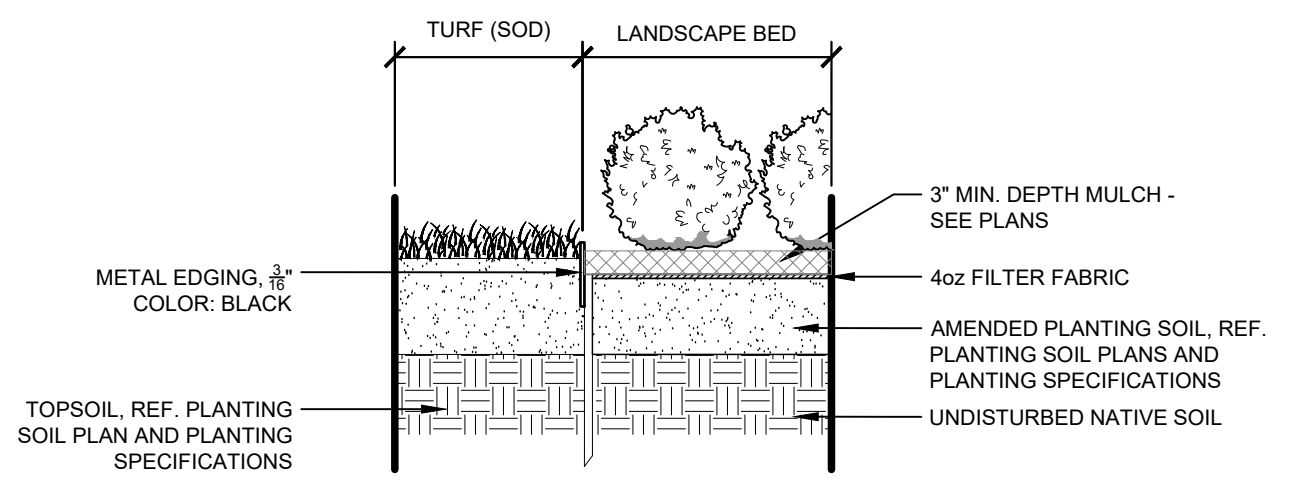
- 1 TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
 - 2 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
 - 3 3" MINIMUM MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6" DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - 4 4" HIGH BERM, FIRMLY COMPACTED.
 - 5 8" x 2" TREATED LODGE POLE PINE TREE STAKES. TWO (2) PER TREE. AVOID PENETRATING ROOT BALL. 14 GAUGE, ANNEALED STEEL GUY WIRE. STAPLE ENDS TO INSIDE OF TREE STAKE. ADJUST TENSION BY TURNING WIRE PAIRS FROM THE MIDDLE.
 - 6 FINISHED GRADE. (SEE GRADING PLAN)
 - 7 TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
 - 8 PREPARED PLANTING SOIL AS SPECIFIED.
 - 9 TOP OF ROOTBALL SHALL BE 1" ABOVE FINISHED GRADE. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH. UNDISTURBED NATIVE SOIL.
 - 10 UNDISTURBED NATIVE SOIL.
 - 11 SCARIFY BOTTOM AND SIDES OF PLANTING PIT.
- NOTES:
- A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
 - B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRLDE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
 - C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

2 TREE PLANTING - STAKING
SECTION / PLAN NTS

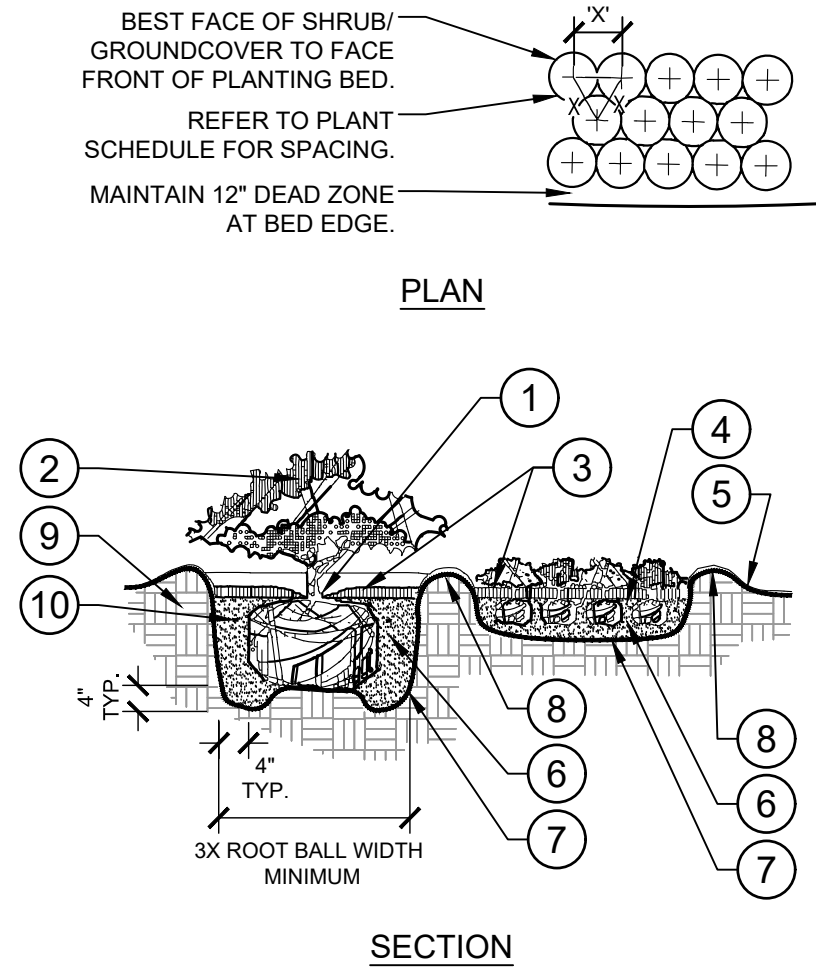


- 1 INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.
- 2 CURB / PARKING LOT EDGE.

3 PARKING SPACE/CURB PLANTING
SECTION NTS

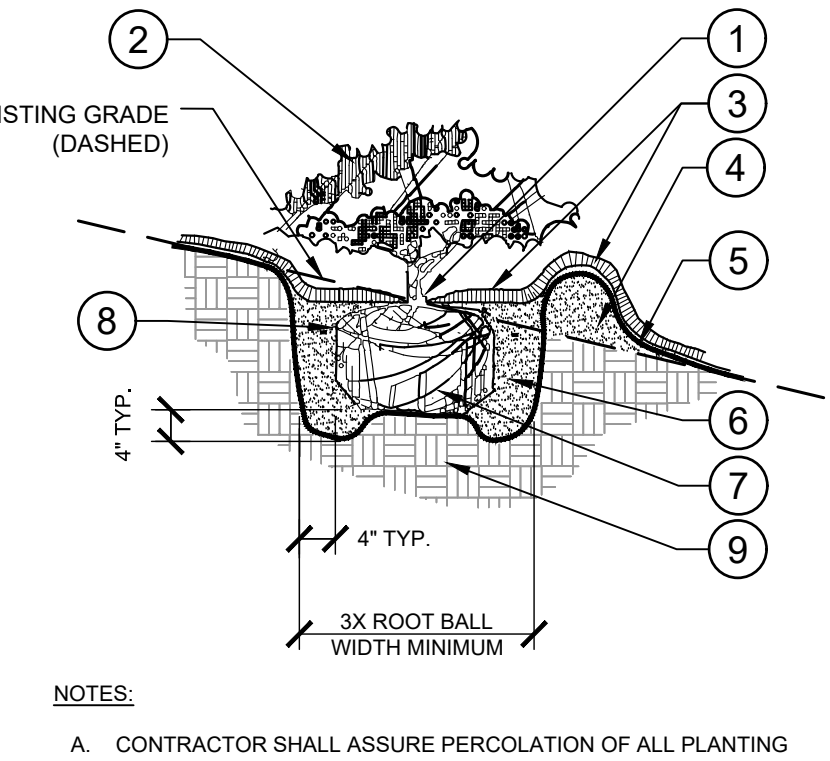


4 METAL EDGER AT PLANTING BED
1" = 1" 096-856-21



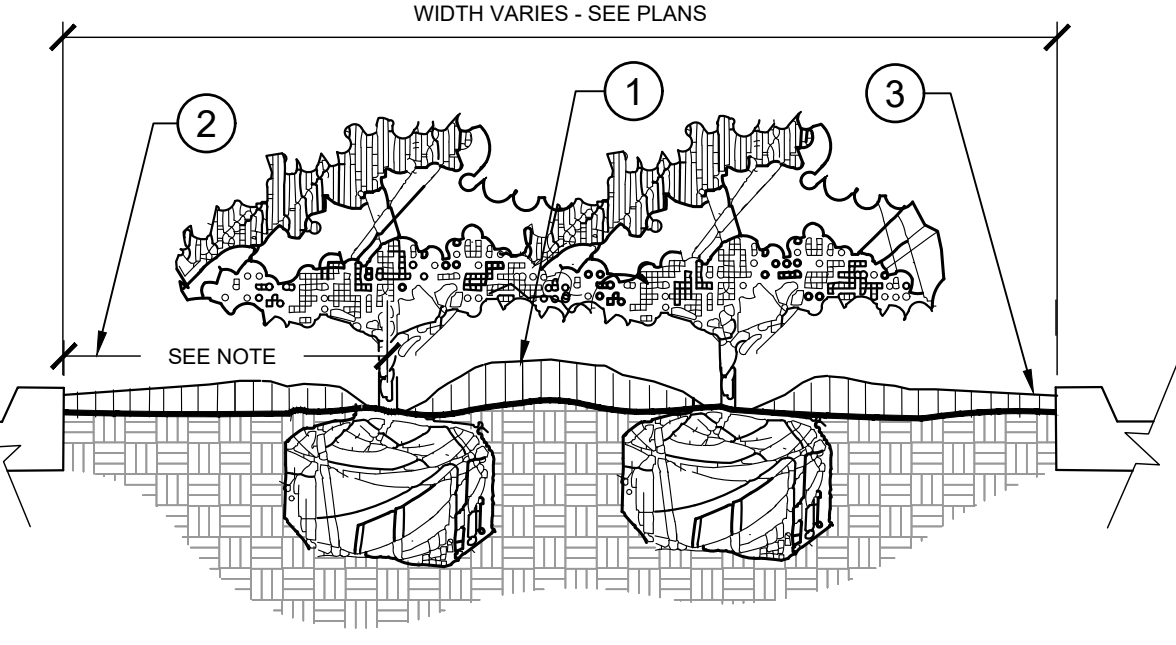
- 1 TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
 - 2 PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
 - 3 3" MULCH LAYER AS SPECIFIED.
 - 4 EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
 - 5 FINISHED GRADE (SEE GRADING PLAN).
 - 6 PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
 - 7 SCARIFY OF PLANTING PIT SIDES AND BOTTOM.
 - 8 4" HIGH BERM FIRMLY COMPACTED.
 - 9 UNDISTURBED NATIVE SOIL.
 - 10 FERTILIZER TABLETS (MAX 3" DEEP)
- NOTES:
- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
 - B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
 - C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

5 SHRUB/GROUNDCOVER PLANTING
SECTION / PLAN NTS



- 1 TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
 - 2 PRUNE SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - 3 3" MINIMUM OF MULCH AS SPECIFIED. WHERE SHRUBS ARE PLACED IN MASSES, MULCH SHALL BE SPREAD IN A CONTINUOUS BED.
 - 4 SOIL BERM TO HOLD WATER. TOP OF PLANTING PIT 'BERM' TO BE LEVEL ACROSS PIT. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER EXPOSED TOPSOIL.
 - 5 FINISHED GRADE (SEE GRADING PLAN)
 - 6 PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).
 - 7 SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
 - 8 FERTILIZER TABLETS (MAX 3" DEEP).
 - 9 UNDISTURBED NATIVE SOIL.
- NOTES:
- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
 - B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
 - C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

6 SHRUB/GROUNDCOVER PLANTING ON A SLOPE
SECTION NTS



- 1 CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
 - 2 CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE SHALL CONTAIN 3" CONTINUOUS MULCH OR TURF. SEE PLANS.
 - 3 2" MIN VERTICAL CLEARANCE. TOP OF CURB TO TOP OF MULCH.
- NOTES:
- A. EXCAVATE A CONTINUOUS 24" DEEP PIT (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.
 - B. PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).
 - C. ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR LESS.

7 PLANTED PARKING LOT ISLANDS/MEDIANS
SECTION NTS

K:\000_096856000_green mountain falls_church\CADD\Sheets\DP\096856000DP_LA.dwg Sep 17, 2019 4:30pm

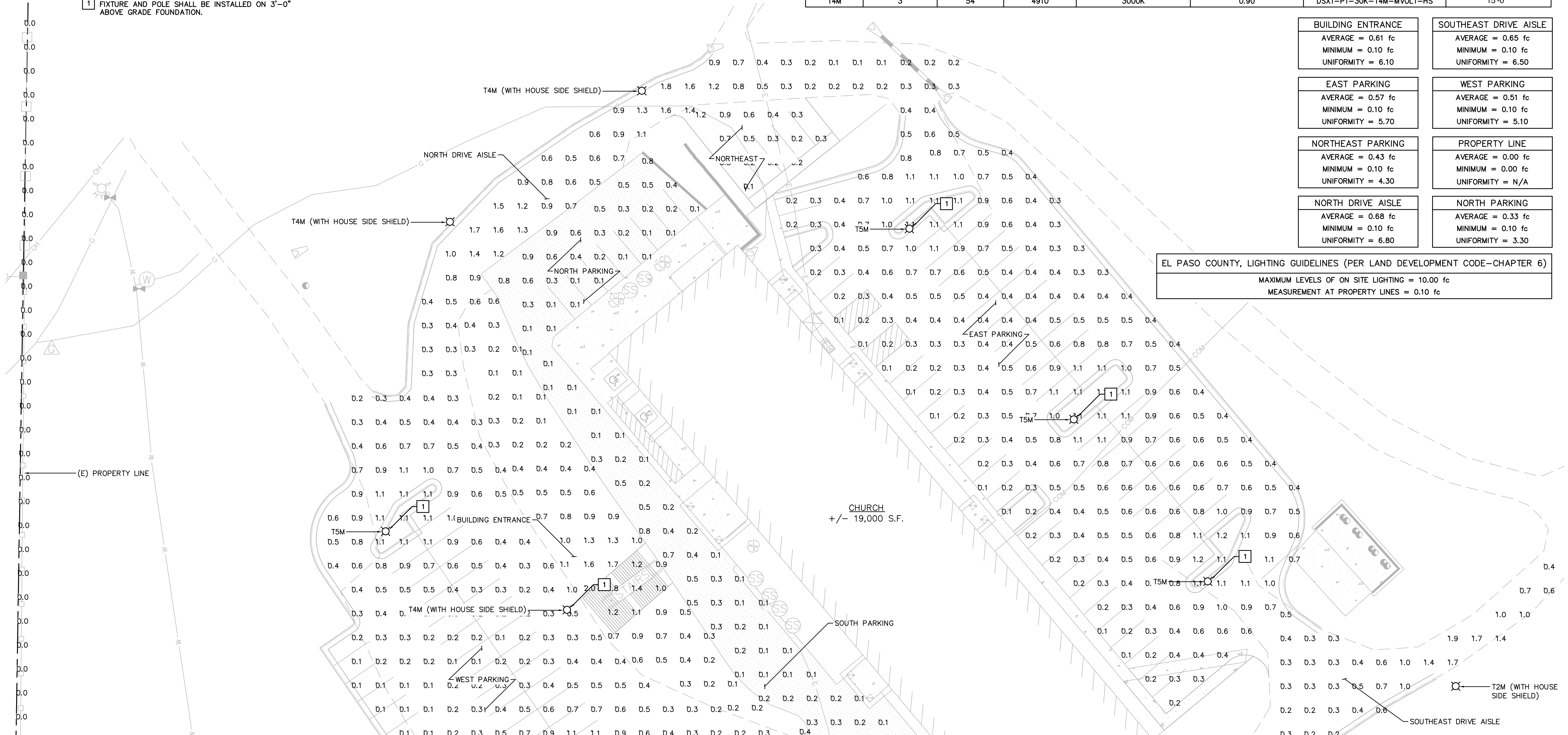
GREEN MOUNTAIN FALLS CHURCH DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO

LUMINAIRE SCHEDULE							
LABEL	QUANTITY	WATTS	LUMENS	COLOR TEMPERATURE	LIGHT LOSS FACTOR	CATALOG NUMBER	MOUNTING HEIGHT
T3M	1	54	6278	3000K	0.90	DSX1-P1-30K-T3M-MVOLT	15'-0"
T5M	5	54	6710	3000K	0.90	DSX1-P1-30K-T5M-MVOLT	15'-0"
T2M	6	54	5285	3000K	0.90	DSX1-P1-30K-T2M-MVOLT-HS	15'-0"
T4M	3	54	4910	3000K	0.90	DSX1-P1-30K-T4M-MVOLT-HS	15'-0"

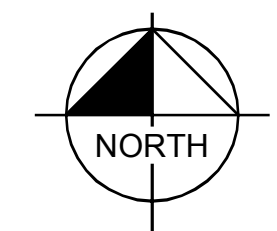
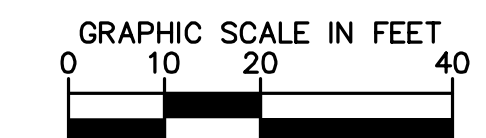
GENERAL NOTES:

- 1 FIXTURE AND POLE SHALL BE INSTALLED ON 3'-0" ABOVE GRADE FOUNDATION.



BUILDING ENTRANCE AVERAGE = 0.61 fc MINIMUM = 0.10 fc UNIFORMITY = 6.10	SOUTHEAST DRIVE AISLE AVERAGE = 0.65 fc MINIMUM = 0.10 fc UNIFORMITY = 6.50
EAST PARKING AVERAGE = 0.57 fc MINIMUM = 0.10 fc UNIFORMITY = 5.70	WEST PARKING AVERAGE = 0.51 fc MINIMUM = 0.10 fc UNIFORMITY = 5.10
NORTHEAST PARKING AVERAGE = 0.43 fc MINIMUM = 0.10 fc UNIFORMITY = 4.30	PROPERTY LINE AVERAGE = 0.00 fc MINIMUM = 0.00 fc UNIFORMITY = N/A
NORTH DRIVE AISLE AVERAGE = 0.68 fc MINIMUM = 0.10 fc UNIFORMITY = 6.80	NORTH PARKING AVERAGE = 0.33 fc MINIMUM = 0.10 fc UNIFORMITY = 3.30

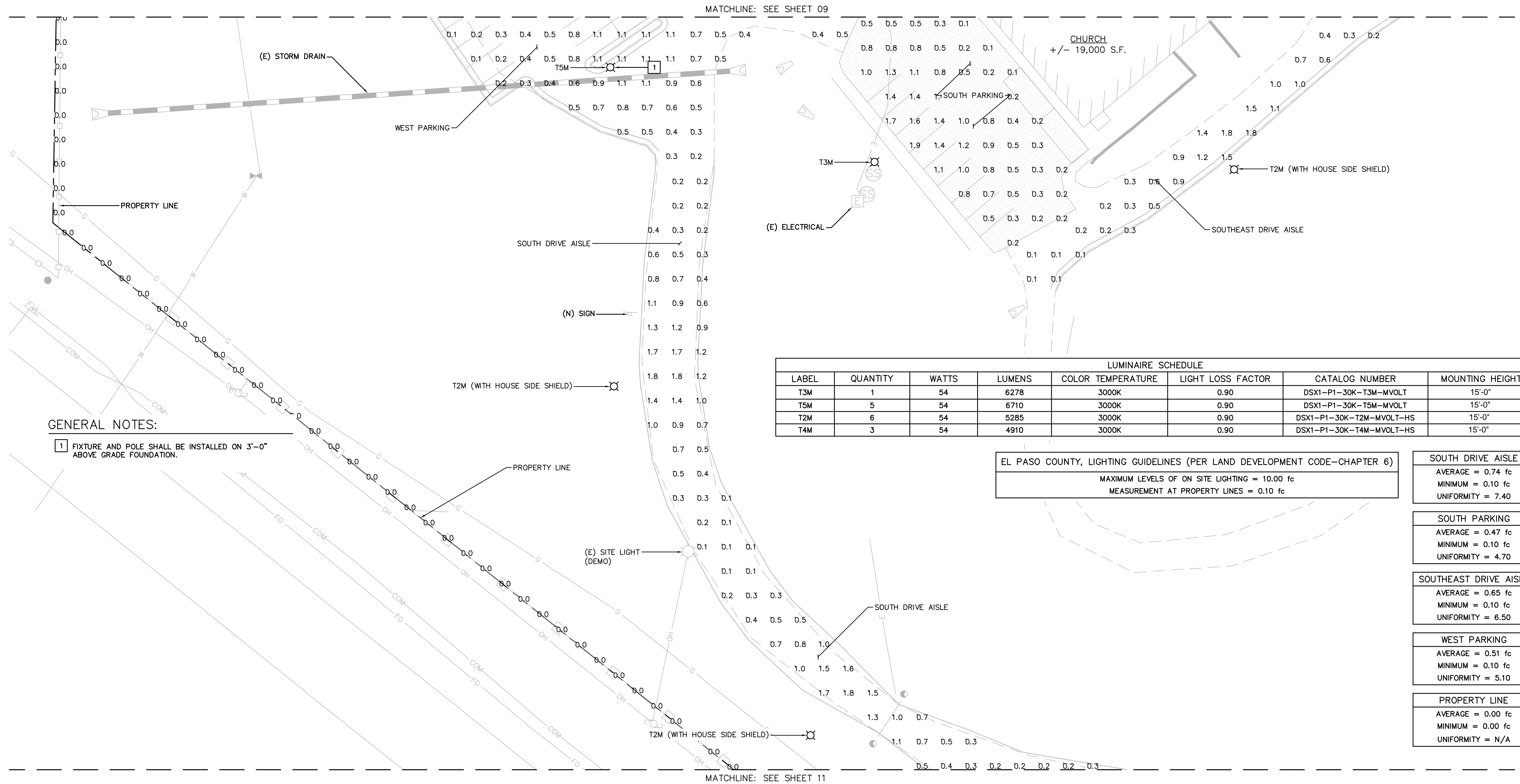
EL PASO COUNTY, LIGHTING GUIDELINES (PER LAND DEVELOPMENT CODE-CHAPTER 6)
 MAXIMUM LEVELS OF ON SITE LIGHTING = 10.00 fc
 MEASUREMENT AT PROPERTY LINES = 0.10 fc



K:\PHX_Systems\096859000 - Green Mountain Church\PlanSheets\GMC Photometrics.dwg Jul 19, 2019 4:01pm

GREEN MOUNTAIN FALLS CHURCH DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



GENERAL NOTES:

1 FIXTURE AND POLE SHALL BE INSTALLED ON 3'-0" ABOVE GRADE FOUNDATION.

LUMINAIRE SCHEDULE							
LABEL	QUANTITY	WATTS	LUMENS	COLOR TEMPERATURE	LIGHT LOSS FACTOR	CATALOG NUMBER	MOUNTING HEIGHT
T3M	1	54	6278	3000K	0.90	DSX1-P1-30K-T3M-MVOLT	15'-0"
T5M	5	54	6710	3000K	0.90	DSX1-P1-30K-T5M-MVOLT	15'-0"
T2M	6	54	5285	3000K	0.90	DSX1-P1-30K-T2M-MVOLT-HS	15'-0"
T4M	3	54	4910	3000K	0.90	DSX1-P1-30K-T4M-MVOLT-HS	15'-0"

EL PASO COUNTY, LIGHTING GUIDELINES (PER LAND DEVELOPMENT CODE-CHAPTER 6)

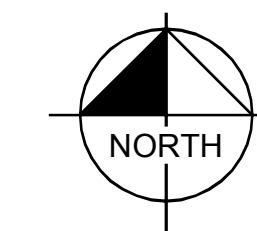
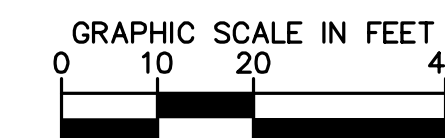
MAXIMUM LEVELS OF ON SITE LIGHTING = 10.00 fc
MEASUREMENT AT PROPERTY LINES = 0.10 fc

SOUTH DRIVE AISLE
AVERAGE = 0.74 fc
MINIMUM = 0.10 fc
UNIFORMITY = 7.40
SOUTH PARKING
AVERAGE = 0.47 fc
MINIMUM = 0.10 fc
UNIFORMITY = 4.70
SOUTHEAST DRIVE AISLE
AVERAGE = 0.65 fc
MINIMUM = 0.10 fc
UNIFORMITY = 6.50
WEST PARKING
AVERAGE = 0.51 fc
MINIMUM = 0.10 fc
UNIFORMITY = 5.10
PROPERTY LINE
AVERAGE = 0.00 fc
MINIMUM = 0.00 fc
UNIFORMITY = N/A

K:\PHX_Systems\096859000 - Green Mountain Falls\Sheets\GMC_Photometrics.dwg Jul 19, 2019 4:01pm



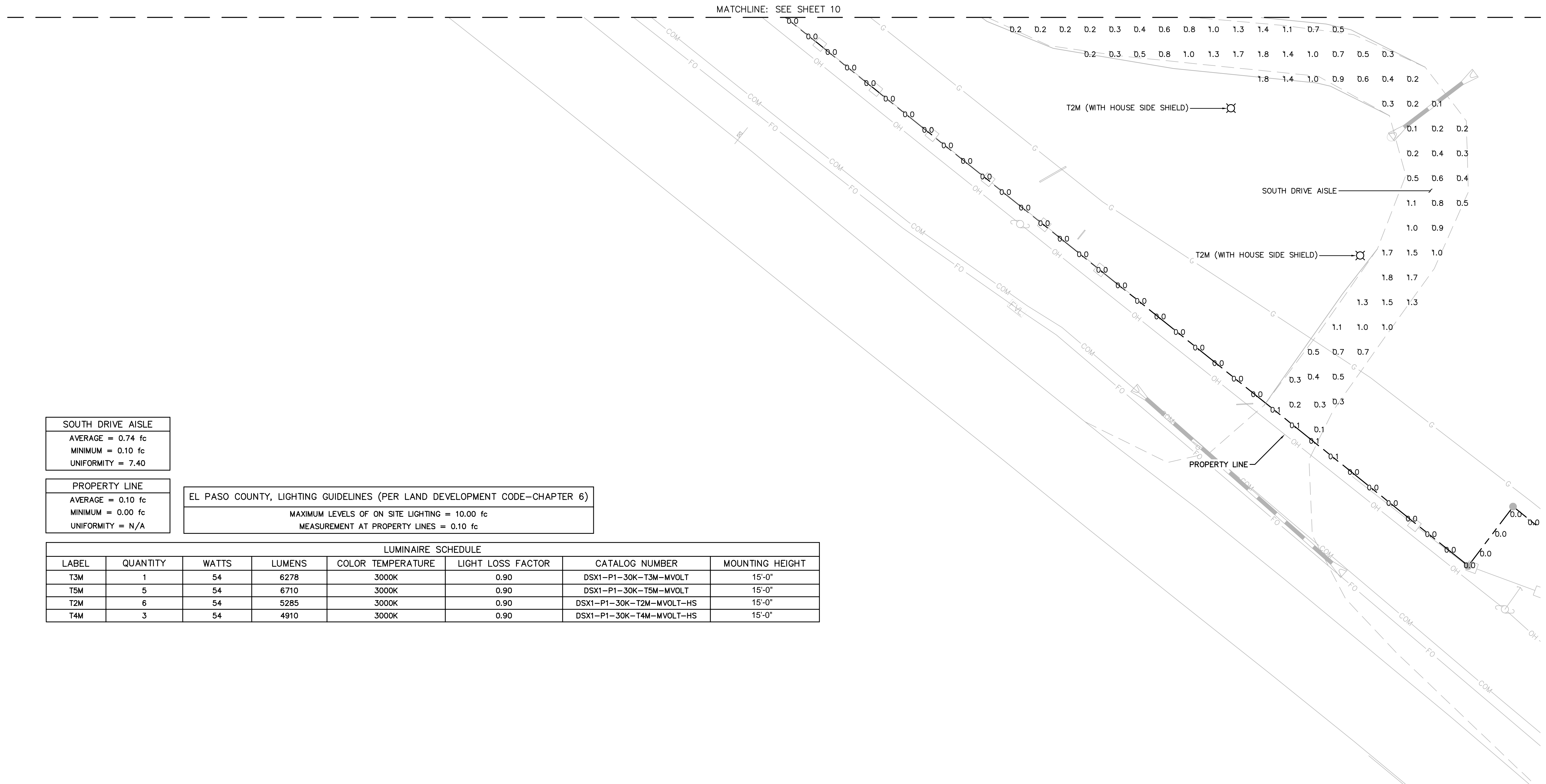
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180



ISSUED: 7/17/19
PHOTOMETRIC PLAN
SHEET 10 OF 13

GREEN MOUNTAIN FALLS CHURCH DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



SOUTH DRIVE AISLE	
AVERAGE =	0.74 fc
MINIMUM =	0.10 fc
UNIFORMITY =	7.40

PROPERTY LINE	
AVERAGE =	0.10 fc
MINIMUM =	0.00 fc
UNIFORMITY =	N/A

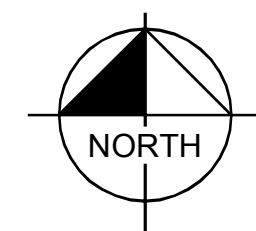
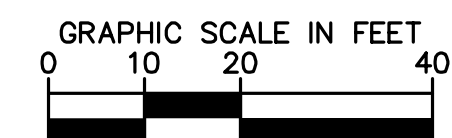
EL PASO COUNTY, LIGHTING GUIDELINES (PER LAND DEVELOPMENT CODE-CHAPTER 6)	
MAXIMUM LEVELS OF ON SITE LIGHTING =	10.00 fc
MEASUREMENT AT PROPERTY LINES =	0.10 fc

LUMINAIRE SCHEDULE							
LABEL	QUANTITY	WATTS	LUMENS	COLOR TEMPERATURE	LIGHT LOSS FACTOR	CATALOG NUMBER	MOUNTING HEIGHT
T3M	1	54	6278	3000K	0.90	DSX1-P1-30K-T3M-MVOLT	15'-0"
T5M	5	54	6710	3000K	0.90	DSX1-P1-30K-T5M-MVOLT	15'-0"
T2M	6	54	5285	3000K	0.90	DSX1-P1-30K-T2M-MVOLT-HS	15'-0"
T4M	3	54	4910	3000K	0.90	DSX1-P1-30K-T4M-MVOLT-HS	15'-0"

K:\PHD_Systems\096859000 - Green Mountain Church\PlanSheets\GMC Photometrics.dwg Jul 19, 2019 4:01pm




© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180



ISSUED: 7/17/19
PHOTOMETRIC PLAN
SHEET 11 OF 13

GREEN MOUNTAIN FALLS CHURCH DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



D-Series Size 1 LED Area Luminaire

Specifications

EPA: 1.01 ft² (0.09 m²)
 Length: 33" (0.84 m)
 Width: 13" (0.33 m)
 Height H1: 7-1/2" (0.19 m)
 Height H2: 3-1/2" (0.09 m)
 Weight (max): 27 lbs (12.3 kg)

Introduction
 The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTair2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting	Shipped included		
DSX1 LED	Forward optics P1 P4 P7 P2 P5 P8 P3 P6 P9	30K 3000K 40K 4000K 50K 5000K	T1S Type I short	MVOLT	SPA Square pole mounting	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶		
			T2S Type II short				TSS Type V short	PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
			T3M Type III medium				TSM Type V medium	PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
	Rotated optics P10' P12' P11' P13'		T3W Type V wide	277' 247' 480' ¹⁵	RPA Round pole mounting	SPUMBA Square pole universal mounting adaptor ¹⁷		
			FM type III medium		WBA Wall bracket	KMAB DDBXD II Max arm mounting bracket adaptor (specify finish) ¹⁸		
			T4M type III medium		SPUMBA Square pole universal mounting adaptor ¹⁷			
			LCO Left corner cutoff ¹⁹					
			RTM Right corner cutoff ¹⁹					

Central options

Shipped installed	Other options	Finish (standard)
NLTair2 rLight AR generation 2 enabled ⁸	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶	DDBXD Dark bronze
PIRHN Nework, high/low motion/ambient sensor ⁸	PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶	DBLKO Black
PER High beam, motion/ambient sensor only (controls ordered separately) ¹⁶	PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶	DNAMD Natural aluminum
PER5 Five-pin recessed only (controls ordered separately) ¹⁶	PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶	DWTRD White
PER7 Seven-pin recessed only (controls ordered separately) ¹⁶	FAO Field adjustable output ¹⁶	DOBKO Textured dark bronze
DMG 0-10v dimming was pulled outside fixture (for use with an external control, ordered separately) ²⁰		DBLKO Textured black
DS Dual switching ²¹⁻²²		DNATD Textured natural aluminum
		BS Bad spikes ²³
		ECS External glare shield ²⁴
		DWNGD Textured white

Shipped separately

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Central options

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Other options

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Shipped installed

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Shipped separately

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Notes:

- PIR, P1, P12, or P13 and rotated optics (RPA, RPS) only available together.
- Not available with H2.
- MAXD1 must operate on any line voltage from 120-277V (30/60 Hz).
- Single lamp (SP) requires 120V/277V or 30/60/480V (See SP) requires 200V/240V or 480V.
- Not available in P1 or P12.
- Unrated mounting brackets provided for retrofit or existing, pre-drilled poles only. 1.5" O.D. aluminum rod using an AN9C C136.31.
- Must order fixture with SP option. Must be ordered as a separate accessory, see Accessories information. For use with 2.3B* must arm (not included).
- Must be ordered with PIRHS. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- SPUMBA requires separate mounting hardware (not included).
- Requires separate mounting hardware (not included).
- Requires 20' separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls table on page 4 to use functionality.
- Not available with other dimming controls options.
- Not available with B.L., LCCO and R.C.C.O. distribution. Also available as a separate accessory, see Accessories information.
- Must be ordered with B.L. for factory pre-drill.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

A LITHONIA DSX1 LUMINAIRE (1 OF 2)
SCALE: N.T.S.

Ordering Information

Accessories

Order and specify separately:

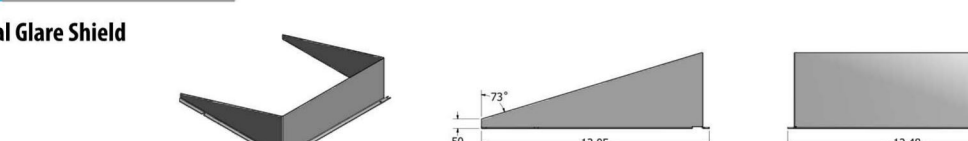
- NLTair2 rLight AR generation 2 enabled ⁸
- PIRHN Nework, high/low motion/ambient sensor ⁸
- PER High beam, motion/ambient sensor only (controls ordered separately) ¹⁶
- PER5 Five-pin recessed only (controls ordered separately) ¹⁶
- PER7 Seven-pin recessed only (controls ordered separately) ¹⁶
- DMG 0-10v dimming was pulled outside fixture (for use with an external control, ordered separately) ²⁰
- DS Dual switching ²¹⁻²²

Notes:

- PIR, P1, P12, or P13 and rotated optics (RPA, RPS) only available together.
- Not available with H2.
- MAXD1 must operate on any line voltage from 120-277V (30/60 Hz).
- Single lamp (SP) requires 120V/277V or 30/60/480V (See SP) requires 200V/240V or 480V.
- Not available in P1 or P12.
- Unrated mounting brackets provided for retrofit or existing, pre-drilled poles only. 1.5" O.D. aluminum rod using an AN9C C136.31.
- Must order fixture with SP option. Must be ordered as a separate accessory, see Accessories information. For use with 2.3B* must arm (not included).
- Must be ordered with PIRHS. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- SPUMBA requires separate mounting hardware (not included).
- Requires separate mounting hardware (not included).
- Requires 20' separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls table on page 4 to use functionality.
- Not available with other dimming controls options.
- Not available with B.L., LCCO and R.C.C.O. distribution. Also available as a separate accessory, see Accessories information.
- Must be ordered with B.L. for factory pre-drill.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

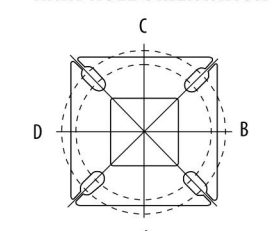
Options

ECS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter **

Temple O.D.	Mounting	Slipfitter	2 in 1/100	2 in 1/16	3 in 1/16	3 in 1/32	4 in 1/32
2-3/8"	SPUMBA	AS5-570	AS5-280	AS5-530	AS5-530	AS5-530	AS5-490
	SPUMBA	AS5-570	AS5-280	AS5-290	AS5-530	AS5-530	AS5-490
	RUPUMBA	AS5-570	AS5-280		AS5-530		
2-7/8"	SPUMBA	AS75-190	AS75-280	AS75-290	AS75-530	AS75-530	AS75-490
	SPUMBA	AS75-190	AS75-280		AS75-530		
	RUPUMBA	AS75-190	AS75-280		AS75-530		
4"	SPUMBA	AS155-190	AS155-280	AS155-290	AS155-530	AS155-530	AS155-490
	SPUMBA	AS155-190	AS155-280	AS155-290	AS155-530	AS155-530	AS155-490
	RUPUMBA	AS155-190	AS155-280		AS155-530		

Mounting Options

Mounting Option	Drilling Template	Single	2 in 1/100	2 in 1/16	3 in 1/16	3 in 1/32	4 in 1/32
Temple Location	Side A	Side B	Side B & C	Side B & C	Side B & C	Side B & C	Side B & C
Drill Dimension	#8	DM19AS	DM23AS	DM29AS	DM35AS	DM42AS	DM49AS

Drilling Template

Drilling Template	Mounting	Acceptable Pole Diameters
SPA	#8	2-7/8" 2-7/8" 3-5/8" 3-5/8" 4-1/8" 4-1/8"
RPA	#8	2-7/8" 2-7/8" 3-5/8" 3-5/8" 4-1/8" 4-1/8"
SPUMBA	#5	2-7/8" 3" 4" 4" 3-5/8" 4"
RUPUMBA	#5	2-7/8" 3-5/8" 4" 5" 3-5/8" 5"

Notes:

- For aluminum poles 1.5" for aluminum poles.
- For other pole types 2.25".
- Drill hole diameter 0.043".
- Drill hole depth 0.005".

Shipped separately

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Central options

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Shipped installed

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Shipped separately

- PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k. ¹⁶
- PIRHC High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCV High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k. ¹⁶
- PIRHFCVW High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1k. ¹⁶
- FAO Field adjustable output ¹⁶
- BS Bad spikes ²³
- ECS External glare shield ²⁴

Notes:

- PIR, P1, P12, or P13 and rotated optics (RPA, RPS) only available together.
- Not available with H2.
- MAXD1 must operate on any line voltage from 120-277V (30/60 Hz).
- Single lamp (SP) requires 120V/277V or 30/60/480V (See SP) requires 200V/240V or 480V.
- Not available in P1 or P12.
- Unrated mounting brackets provided for retrofit or existing, pre-drilled poles only. 1.5" O.D. aluminum rod using an AN9C C136.31.
- Must order fixture with SP option. Must be ordered as a separate accessory, see Accessories information. For use with 2.3B* must arm (not included).
- Must be ordered with PIRHS. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- Must be ordered with NLTair2. For more information on rLight AR 2.0 - (1) only.
- SPUMBA requires separate mounting hardware (not included).
- Requires separate mounting hardware (not included).
- Requires 20' separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls table on page 4 to use functionality.
- Not available with other dimming controls options.
- Not available with B.L., LCCO and R.C.C.O. distribution. Also available as a separate accessory, see Accessories information.
- Must be ordered with B.L. for factory pre-drill.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

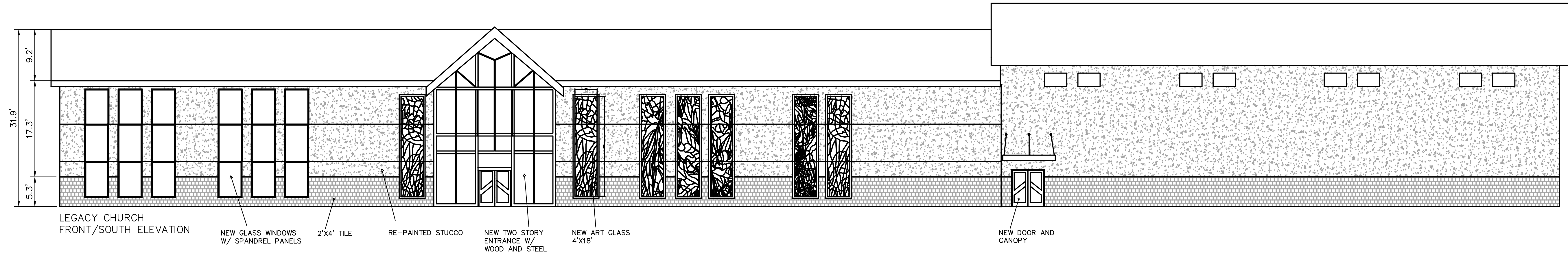
B LITHONIA DSX1 LUMINAIRE (2 OF 2)
SCALE: N.T.S.

K:\PHY_Systems\09859000 - Green Mountain Church\Plan\Sheets\GMC_Phometrics.dwg Jul 19, 2019 4:01pm

LEGACY CHURCH - GREEN MOUNTAIN FALLS, CO

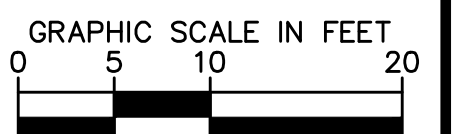
DEVELOPMENT PLAN

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5 AND THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 13 SOUTH, RANGE 68 WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



West Elevation*

*The only proposed changes to the building facade are to the west building elevation. Therefore, additional elevation views are not provided/shown.



Kimley»Horn

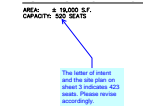
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, COLORADO 80903 (719) 453-0180

ISSUED: 7/19/19

ARCHITECTURAL ELEVATIONS
SHEET 13 OF 13

Site Plan_v2_redlines.pdf Markup Summary

Callout (2)



Subject: Callout
Page Label: [2] 2 OVERALL SITE PLAN
Author: Daniel Torres
Date: 10/7/2019 10:22:16 AM
Status:
Color: ■
Layer:
Space:

The letter of intent and the site plan on sheet 3 indicates 423 seats. Please revise accordingly.



Subject: Callout
Page Label: [4] 4 UTILITY SHEET
Author: Daniel Torres
Date: 10/7/2019 10:32:36 AM
Status:
Color: ■
Layer:
Space:

Review 1 comment:
Parking information does not match what is shown on the previous page. Revise accordingly.

Review 2: Unresolved. The building capacity also does not match the previous page. Please revise so that all the information is matching.

Polylength Measurement (1)



Subject: Polylength Measurement
Page Label: [4] 4 UTILITY SHEET
Author: Daniel Torres
Date: 10/7/2019 1:50:36 PM
Status:
Color: ■
Layer:
Space:

515'-7 3/4"