Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219
(804) 646-6335
http://www.richmondgov.com/CommitteeUrbanDesign

Application Type

- ☑ Addition/Alteration to Existing Structure
- ☐ New Construction
- ☐ Streetscape
- ☐ Site Amenity
- ☐ Encroachment
- ☐ Master Plan
- ☐ Sign
- ☐ Other

Review Type

- ☑ Conceptual
- ☐ Final

Project Name: Emergency Communication Center - Expansion and Alterations

Project Address: 3516 N. Hopkins Road, Richmond, VA

Brief Project Description (this is not a replacement for the required detailed narrative) :

Building addition for expansion of the call-taking and dispatching area, storage and restrooms and renovation of existing spaces to include administrative areas.

Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: Beth Rappaport Email: beth.rappaport@richmondgov.com

City Agency: DPW - Special Capital Projects Group Phone: 646-7660

Address: Room 602, 900 E. Broad Street, City Hall

Main Contact (if different from Applicant):

Company: City of Richmond Phone:

Email:

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

HVC • CHENAULT
Architecture • Planning • Interior Design

16 April 2015

Urban Design Committee
Department of Planning and Development Review
Planning & Preservation Division
900East Broad Street
Richmond, Virginia 23219

Re: Conceptual Review
Richmond Emergency Communications Center
Expansion and Renovations

To the Members of the Urban Design Committee:

Hening Vest Covey Chenault Architectural Corporation (HVC • CHENAUNT) presents the Conceptual Review documents for the expansion to the City of Richmond's Emergency Communications Center.

Purpose of the Project

Currently, all E-911 calls originating in the City of Richmond are received by call-takers in the Emergency Communications Center (ECC), located at 3516 N. Hopkins Road. Fire and Police response are dispatched from this facility. Calls for the Richmond Ambulance Authority (RAA), are transferred to their facility at 2400 Hermitage Road. Transferring these calls to the RAA creates a delay in response time, and is operationally inefficient. To improve emergency services to the citizens of Richmond, an expansion to the ECC is needed to accommodate the RAA dispatchers. This expansion will improve operational effectiveness, and also reduces operational expenses by sharing dispatch technology and by avoiding duplicate costs. The expansion will also serve to provide back-up call-taking and dispatching for Henrico or Chesterfield Counties, which is a desirable and necessary operational redundancy.

A Feasibility Study was prepared in October 2013, by Hening Vest Covey Chenault Architectural Corporation, which identified that an addition at the ECC site can accommodate the required sixteen (16) new console positions.

Project Background

The existing Emergency Communications Center (ECC) is a single-story building of 14,523 square feet at 3516 N. Hopkins Road and was completed in 2000. It has served as the City as the primary PSAP (Public-Safety Answering Point), with the Radio Operations Room housing 22 console positions

HENING • VEST • COVEY • CHENAULT ARCHITECTURAL CORPORATION
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1710 *east franklin street* • *suite* 100 • *richmond, virginia* 23223

providing call-taking and dispatching functions. It is located on an approximately 4.5 acre site, which is a portion of the Public Works Operations Complex on Hopkins Road. This site contains the ECC, the Radio Equipment Building and a separately fenced 400-ft high Communications Tower. The site is bounded by a perimeter security fence and a sliding security vehicle gate. The site is adjacent to the DPW trash transfer station, with an earth berm barrier for visual separation and for potential explosion protection. To the south and west is a CSX rail spur and to the north, an auto salvage yard along the full length of the north property line. Serving the on-site facilities is parking for 57 vehicles adjacent to the buildings and 31 spaces for overflow parking outside the secure perimeter fence at a lower level lot adjacent to the ECC entrance drive.

Description of Construction Program

The addition will provide space for the required 16 new console positions, plus related management offices and administrative and other support functions. Redundant HVAC units, electrical and UPS systems support the new functions. Additional storage is planned for the addition, which will eliminate the need for the existing shed at the rear of the property. There will be some interior modifications to the existing facility to improve current and future functions. This includes a larger conference room, additional offices and flex-office spaces to house temporary and part-time positions, lockers and shower.

Because the ECC is a critical communications facility, it is open continuously with no interruptions in operations. The building envelope is moderately hardened to prevent debris from damaging the building during extreme weather events, and to protect the personnel and equipment. Window openings are minimal and bullet resistant. Redundant mechanical and electrical generation equipment ensures that if one system fails, or is inoperable due to routine or unscheduled maintenance or damage, the second units are able to be put into service.

The Radio Operations Room is the space where calls for service are received by the call-takers, and then the appropriate response by police, fire or rescue is sent by the dispatchers. Each call-taker or dispatcher works at a console, each with multiple computer monitors displaying a variety of information. Lighting levels are kept low, and acoustical sound, both within the Operations Room, and from outside the facility, is kept low. Natural light, although desirable, needs to be carefully considered to reduce glare on the monitors and to prevent people outside the building from being able to see the information on the monitors. Due to the confidential nature of the work of the personnel who have a private or semi-private office, windows to the exterior are operationally undesirable.

The building addition, located on the north side of the existing building, will match the existing building materials. This will include white and light grey ground-face CMU, scored in an 8 inch by 8 inch pattern, and 16 inch by 16 inch blue glazed CMU. The windows are bullet-resistant pre-finished aluminum windows. The roof will be prefinished standing-seam gray metal roof with slopes and finish to match the existing building.

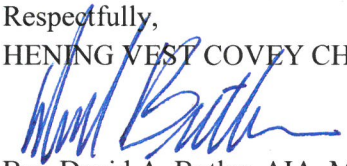
Strategies for stormwater management are still being developed. Pervious pavers, filterra's and possibly purchasing nutrient credits are some of the storm water quality options under consideration. For storm water quantity management, underground detention beneath the new parking lot appears to be the most appropriate technique.

Project Budget and Funding Sources

Pending fiscal-year 2016 budget allocations, construction is scheduled to start on the addition in mid-October 2015. Once the addition is completed and the call taking and dispatch consoles are relocated there, the renovations to the existing facility will begin. The project is expected to be completed in September of 2016.

We appreciate being of service to the City of Richmond, and look forward to the receipt of your recommendations.

Respectfully,
HENING WEST COVEY CHENAULT ARCHITECTURAL CORPORATION



By: David A. Butler, AIA, MBA, NCARB, LEED Green Associate
Principal

CC: Ms. Elizabeth Rappaport, DPW
Mr. Steve Willoughby, DEC
Mr. Bill Hobgood, DIT

Attachments: Architectural Site Plan
Landscape Architect Plan
Floor Plan
Exterior Elevations

ON-SITE PARKING SUMMARY

CURRENT PARKING SPACES:	57
PARKING SPACES REMOVED:	12
PARKING SPACES ADDED:	35
TOTAL PARKING SPACES:	80

AUTO SALVAGE YARD
(PRIVATE)

APPX EXTENTS OF PROJECT

ECC ADDITION
6,206 S.F.

NEW SIDEWALK
FOR SERVICE

EXISTING ECC
BUILDING
14,526 S.F.

EXISTING EMPLOYEE
BREAK AREA

EXISTING PARKING

EXISTING
RADIO EQUIP.
BLDG

EXISTING
PARKING

ADDITIONAL PARKING LOT

EXISTING
CONTOURS SHOWN

EXISTING TRANSFER
STATION

CONCRETE APRON

CONCRETE SLAB

SCALE HOUSE
INCOMING SCALE
OUTGOING SCALE

GATE

asphalt

UNK

CONC. WALL

8"PVC

ARCHITECTURAL SITE PLAN

SCALE: 1 IN = 20 FT

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

PROGRESS PRINT

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EMERGENCY COMMUNICATIONS CENTER
EXPANSION & RENOVATION
3516 NORTH HOPKINS RD RICHMOND, VIRGINIA

proj. no.: 5504
drawn by: DAB/CRB
checked by: SMR
date: 4-16-2015
revisions:
4/16/15 UDC SUBMIT
DPW NO. P-28647

ARCHITECTURAL
SITE PLAN

AS-1

CITY OF RICHMOND PLANTING CALCULATIONS:

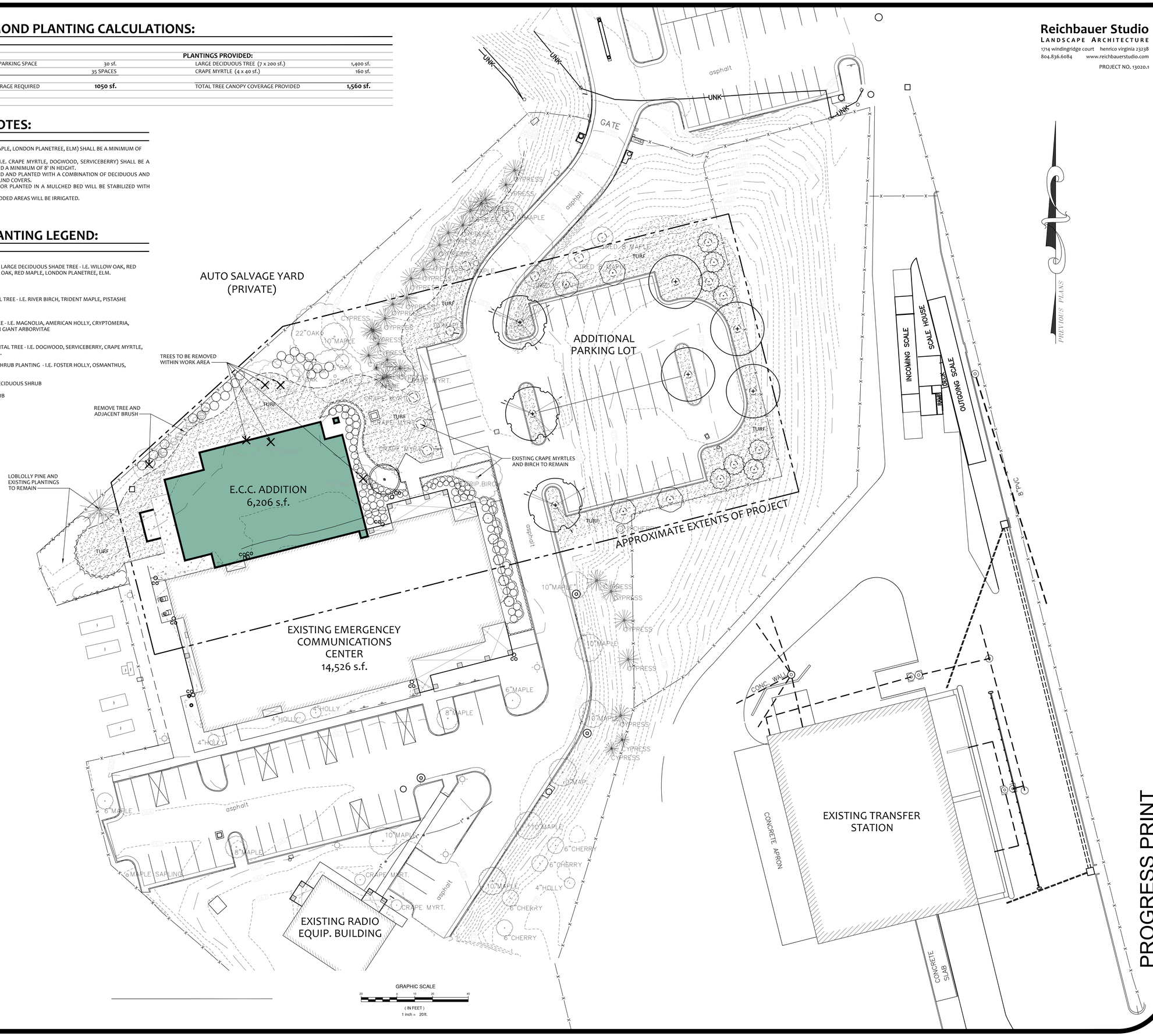
PLANTINGS REQUIRED:		PLANTINGS PROVIDED:	
TREE CANOPY COVERAGE PER PARKING SPACE	30 sf.	LARGE DECIDUOUS TREE (7 x 200 sf.)	1,400 sf.
NUMBER OF PARKING SPACES	35 SPACES	CRAPE MYRTLE (4 x 40 sf.)	160 sf.
MINIMUM TREE CANOPY COVERAGE REQUIRED	**1050 sf.**	TOTAL TREE CANOPY COVERAGE PROVIDED	**1,560 sf.**

LANDSCAPE NOTES:

1. LARGE TREES (I.E. OAK, RED MAPLE, LONDON PLANETREE, ELM) SHALL BE A MINIMUM OF 2 1/2" CALIPER.
2. SMALL ORNAMENTAL TREES (I.E. CRAPE MYRTLE, DOGWOOD, SERVICEBERRY) SHALL BE A MINIMUM OF 1 1/2" CALIPER AND A MINIMUM OF 8' IN HEIGHT.
3. SHRUB BEDS WILL BE MULCHED AND PLANTED WITH A COMBINATION OF DECIDUOUS AND EVERGREEN SHRUBS AND GROUND COVERS.
4. DISTURBED AREA NOT PAVED OR PLANTED IN A MULCHED BED WILL BE STABILIZED WITH SEEDED OR SODDED TURF.
5. ALL NEW SHRUB BEDS AND SODDED AREAS WILL BE IRRIGATED.

PROPOSED PLANTING LEGEND:

- LARGE DECIDUOUS SHADE TREE - I.E. WILLOW OAK, RED OAK, RED MAPLE, LONDON PLANETREE, ELM.
- MEDIUM ORNAMENTAL TREE - I.E. RIVER BIRCH, TRIDENT MAPLE, PISTASHE
- LARGE EVERGREEN TREE - I.E. MAGNOLIA, AMERICAN HOLLY, CRYPTOMERIA, LOBLOLLY PINE, GREEN GIANT ARBORVITAE
- FLOWERING ORNAMENTAL TREE - I.E. DOGWOOD, SERVICEBERRY, CRAPE MYRTLE, SWEET BAY MAGNOLIA.
- MEDIUM EVERGREEN SHRUB PLANTING - I.E. FOSTER HOLLY, OSMANTHUS, ARBORVITAE
- LARGE EVERGREEN / DECIDUOUS SHRUB
- SMALL / MEDIUM SHRUB



PREVIOUS PLANS

PROGRESS PRINT

Reichbauer Studio
LANDSCAPE ARCHITECTURE
1714 windingridge court henrico virginia 23238
804.836.6084 www.reichbauerstudio.com
PROJECT NO. 13020.1

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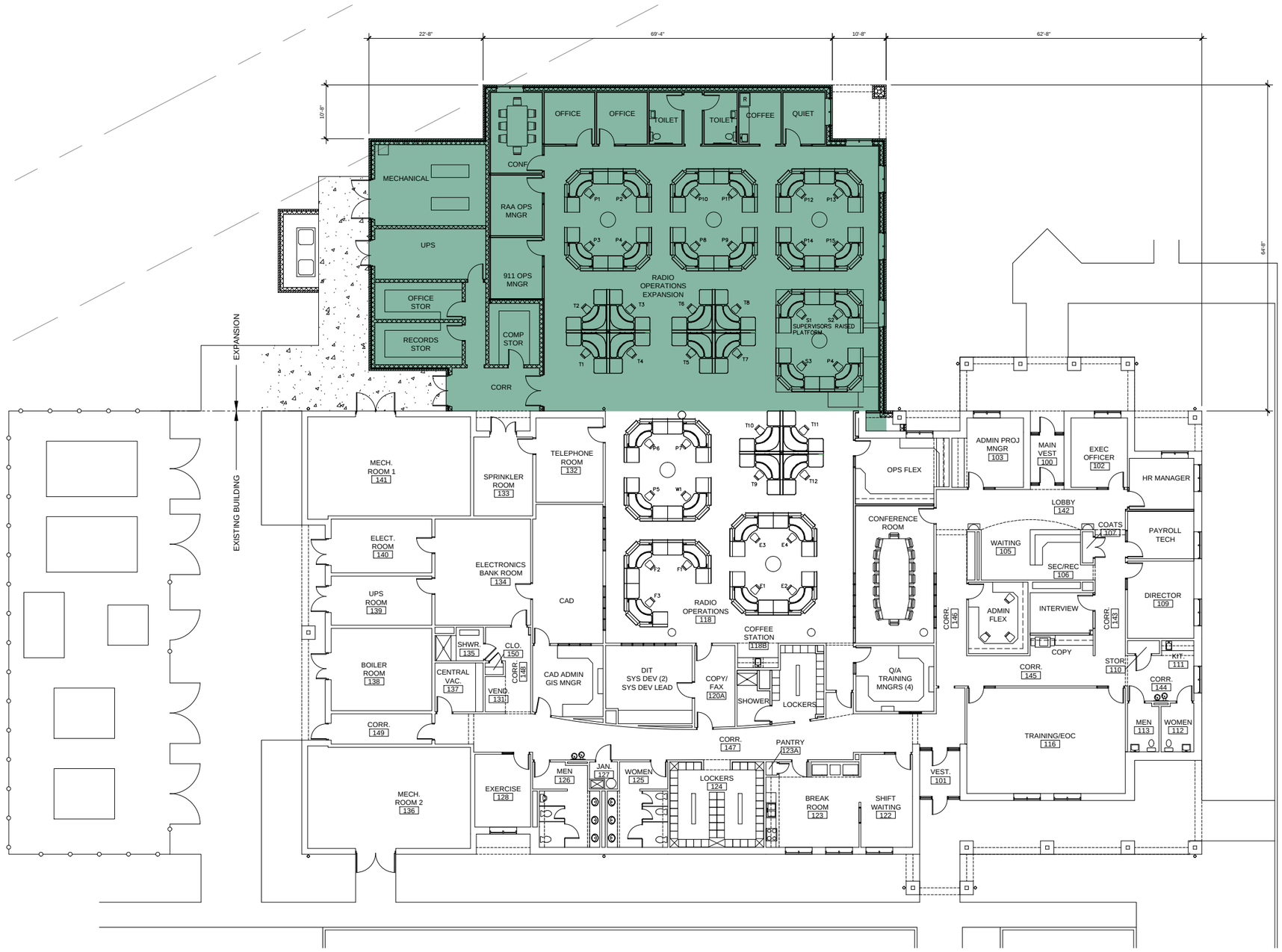
drawn by: CR / LR
checked by: SMR
date: 4-13-2015
revisions:

DPW NO. P-28647

Conceptual Landscape Plan

L1



1 CONCEPT 4-4
SCALE: 1/8" = 1'-0"

6,206 SQUARE FEET ADDITION

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

N

PROGRESS PRINT

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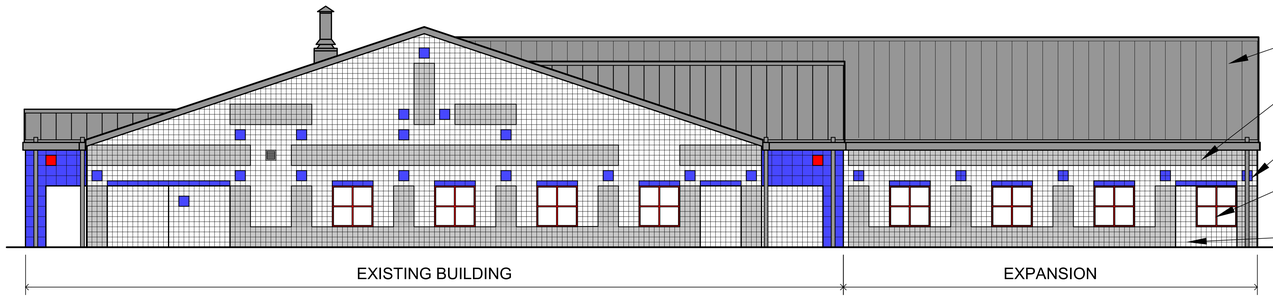
FLOOR PLAN

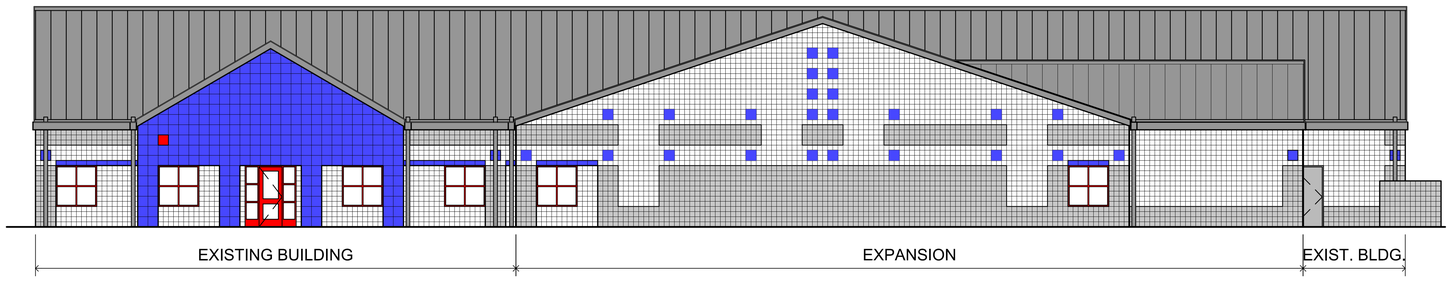
A-1



TYPICAL EXTERIOR FINISHES

- LIGHT GREY STANDING SEAM METAL ROOF TO MATCH EXISTING.
- LIGHT GREY GROUND FACE SCORED CMU TO MATCH EXISTING.
- BLUE GLAZED CMU TO MATCH EXISTING.
- RED POWDER FINISH WINDOW FRAMES & GLAZING TO MATCH EXISTING.
- WHITE GROUND FACE SCORED CMU TO MATCH EXISTING.

1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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EXTERIOR ELEVATIONS

A-2