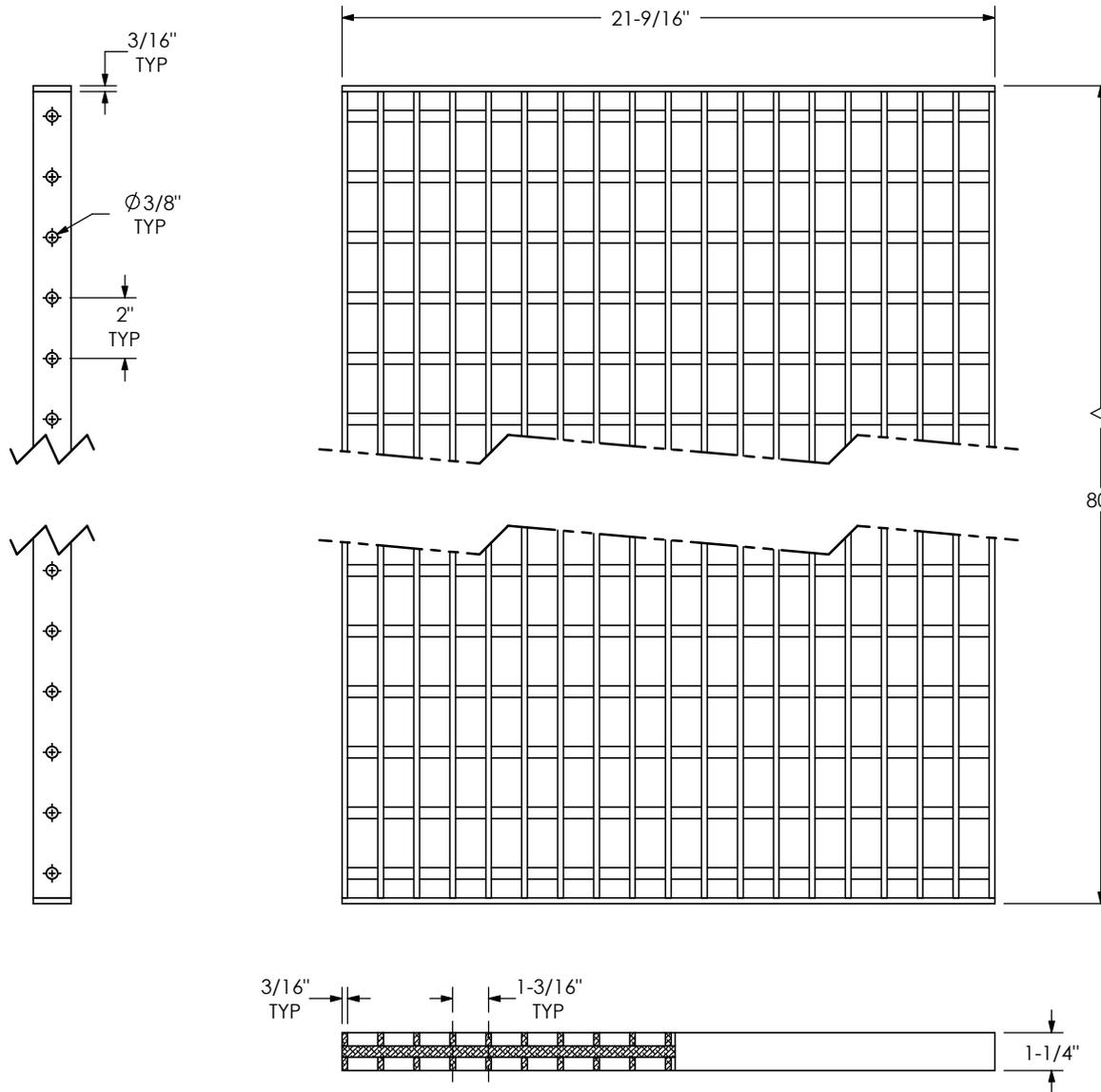


19SG2 ALUMINUM BAR GRATING



Product Number

72210849

Design Features

- Materials
Aluminum-6061
- Design Load
Non-Traffic
- Open Area
- Coating
Mill Finish
- √ Designates Machined Surface

Reference Material

- NPR20-000734
- 202002-16100
- Estimated Weight: 44 LBS
- Country of Origin: USA
- Revision Level: A

Drawing Revision

03/19/2020 Designer: DE
Revised By:

Disclaimer

Weights (lbs/kg), dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

Quality is very important for EJ, and it includes compliance to measurements and features in this drawing. We are constantly looking at innovation with optimized designs and materials. Please check our website ejco.com for more information. Technical information contained in this drawing represents intellectual property of EJ. If you are using it in other documents please contact EJ, us.sales@ejco.com. Copyright © 2017 EJ GROUP, Inc. All rights reserved.

Contact

800 626 4653
ejco.com

NOTES:

19SG2 ALUMINUM BAR GRATE
3/16" x 1-1/4" BEARING BARS
 $\varnothing 3/8"$ CROSS RODS
TRIM BANDED

METAL COPING COLORS



Solid fences or walls abutting open space, parks, and trails shall be limited to four feet in height. Fences or walls that are not more than 50 percent opaque may be extended up to five feet in height at the town's discretion. Open fencing styles may include wire mesh attached to the interior of the fence.

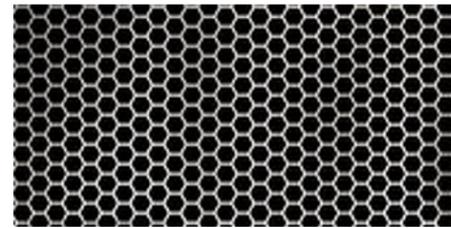
Note - This applies only to the fence on the west side of the property adjacent to the trail. We would be interested in looking into permeable "wrought iron" type fencing adjacent to trail. Also if 5' is inadequate for security purposes, we can also have a conversation with Planning & Development Director and folks in DNS in Parks & Rec about alternatives.



CLEAR GLAZING

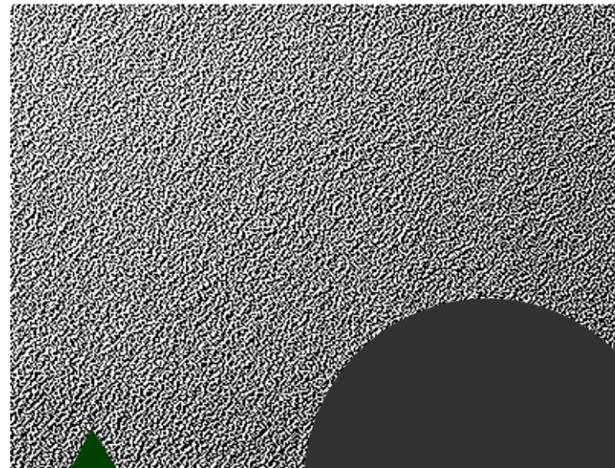
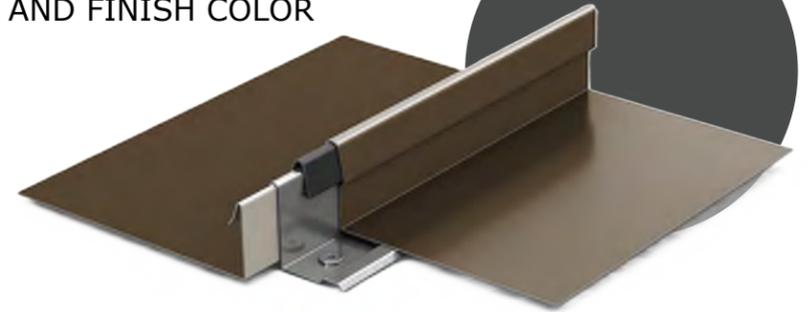


SECURE PERIMETER FENCE



PERFORATED METAL RTU SCREEN PANELS

STANDING SEAM METAL ROOF AND FINISH COLOR



PRE-CAST TEXTURE AND COLOR



METAL WALL PANELS AND FINISH COLOR

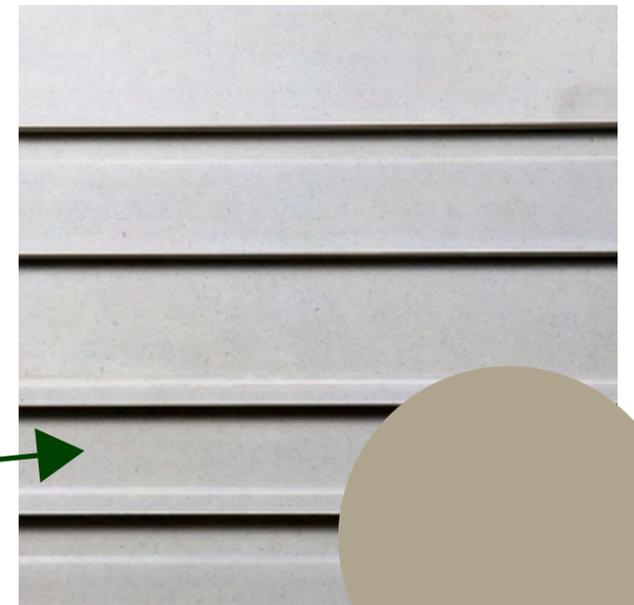


METAL PANEL PATTERN AND FINISH COLOR



TREX WOOD SLATS FOR WALL ACCENT AND WINDOW SHADING

DOUGLAS FIR SLANTED COLUMNS & SOFFIT PANELS



PRE-CAST PATTERN AND COLOR



ERIE POLICE DEPARTMENT EXPANSION & REMODEL
EXTERIOR FINISHES



Internal Memo

To: Harry Brennan, Senior Planner

From: Shane Greenburg, Senior Park Planner

Date: July 2, 2025

Subject: Erie Police Department Addition and Renovation (SP2025-00009)

07/02/25 1st Review

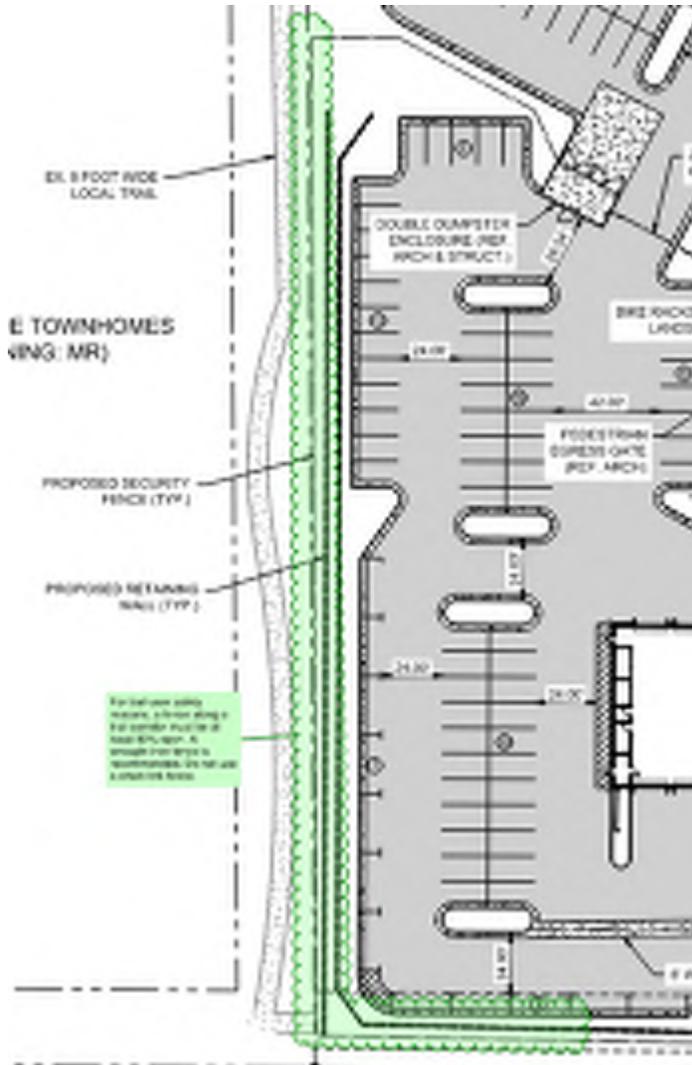
Below are the overall landscape, parks, open space & trail-related review comments for the 1st submittal of Erie Police Department Addition and Renovation.

GENERAL COMMENTS:

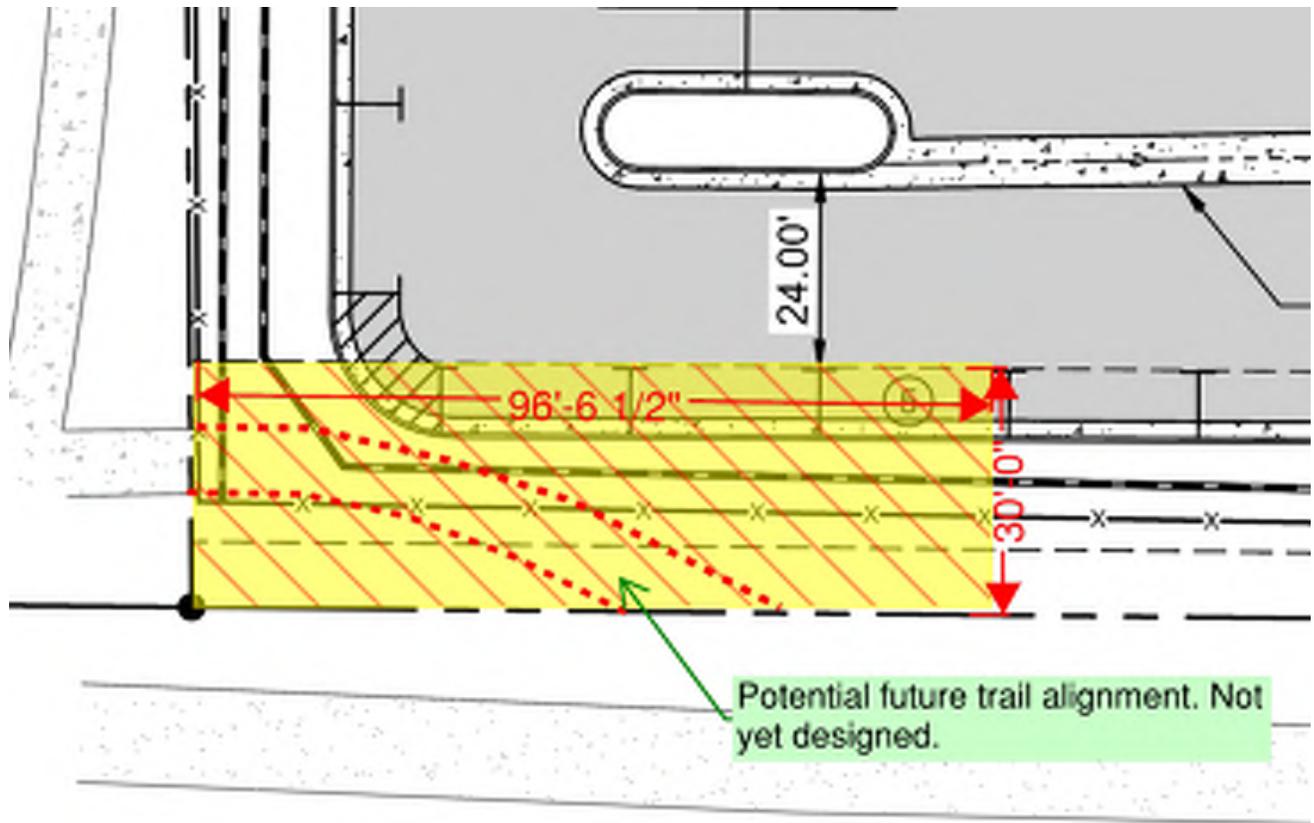
1. Solid fences are not allowed along a trail corridor as it creates a safety concern for trail users (see image below). Code section 10-6-4.F.4.b says:

"Solid fences or walls abutting open space, parks, and trails shall be limited to four feet in height. Fences or walls that are not more than 50 percent opaque may be extended up to five feet in height at the town's discretion. Open fencing styles may include wire mesh attached to the interior of the fence."

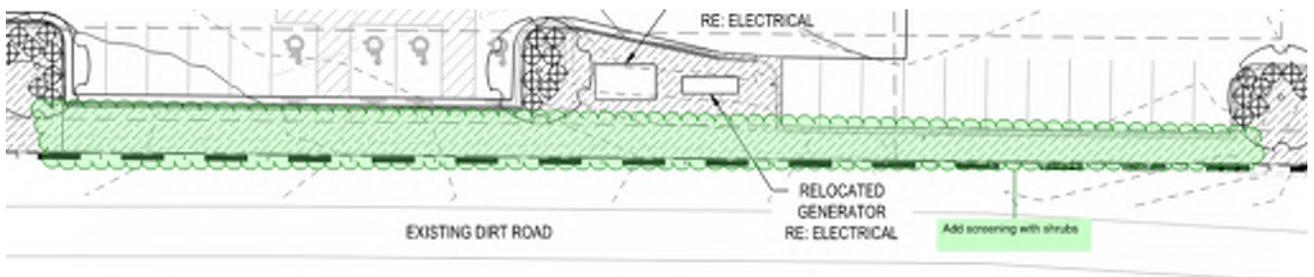
Given the circumstances of required security for a police station, parks would be in support of a variance to allow a taller fence, however, due to safety for trail users, we would not be in support of a fully opaque fence. We recommend a black wrought iron fence. Chain link fences are unsightly, and we would not be in support of their use. For ease of maintenance, we prefer that the fence be placed on top of the retaining wall to avoid creating a strip of vegetation between the fence and top of retaining wall that is difficult to maintain.



2. Provide an approximately 30' by 100' unfenced and unwallled area for a future trail connection between the existing spine trail to the west and a future trail continuation on the property to the south. See image below. The 30' x 100' dimensions can be adjusted slightly as needed for the drive aisle and parking, however, the area must be graded in a way that prevents grading issues upon construction. The area can be landscaped with native seed. Please provide irrigation to the area in a way that would accommodate the trail construction and future plantings. *The trail extension does not need to be built as part of this project.*



3. Ensure that no trees on the property are planted closer than 10 feet to utility lines.
4. As the parking lot will likely be adjacent to a future trail corridor, we ask that shrubs are added between the parking lot and the property line to the south to provide some visual buffering. Due to the utility lines, trees are not allowed, however shrubs, ornamental grasses, and taller perennials can be used.



End of Comments.



Internal Memo

To: Harry Brennan, Senior Planner

From: Shane Greenburg, Senior Park Planner

Date: September 11, 2025

Subject: Erie Police Department Addition and Renovation (SP2025-00009)

07/02/25 1st Review

09/11/25 2nd Review

Below are the overall landscape, parks, open space & trail-related review comments for the 2nd submittal of Erie Police Department Addition and Renovation.

GENERAL COMMENTS:

1. See and address comments in the redlined plans.
2. Add the following parks signature block to the title page of the civil and landscape combined set of plans.

<p style="text-align: center;">Accepted by TOWN OF ERIE PARKS & RECREATION DEPARTMENT</p> <p>All work shall be constructed in conformance with current Town of Erie Standards and Specifications, as amended. This drawing set has been reviewed and found to be in general compliance with the Standards and Specifications and other Town requirements. This acceptance shall not be construed to relieve any requirement to the Standards and Specifications not specifically addressed in these plans. IN ADDITION, THE DESIGN REMAINS THE RESPONSIBILITY OF THE PROFESSIONAL LANDSCAPE ARCHITECT WHOSE STAMP AND SIGNATURE APPEAR HEREON.</p> <p>LUKE BOLINGER, DIRECTOR OF PARKS & RECREATION _____ DATE _____</p>

End of Comments.



Erie Police Department

Development Review

To: Harry Brennan
From: Misty Hall, Stormwater Coordinator
Date: September 11, 2025

Engineering Division Comments

Civil Plans

1. General comments- please identify seed mix for the detention pond. There will be disturbances that will require restoration.
2. Sheet C-304- Identify IP and VTC as initial control measures.

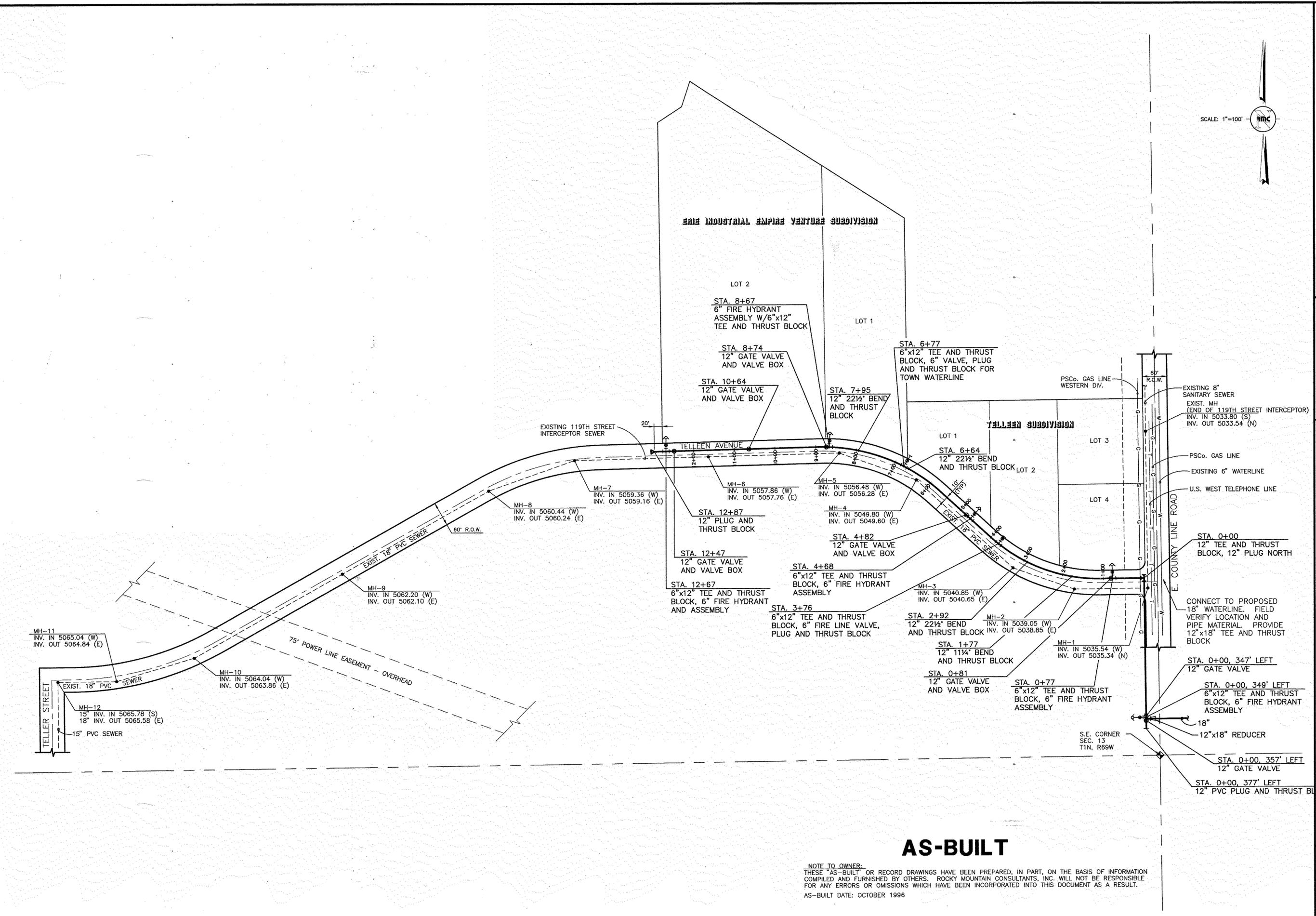
Please contact me at mhall@erieco.gov for further clarification. Staff would be happy to schedule a virtual meeting to discuss the comments and answer any questions.

Sincerely,

Misty Hall, CFM, CPESC. | Stormwater Coordinator

NO.	DATE	BY

SCALE: 1"=100'



AS-BUILT

NOTE TO OWNER:
 THESE "AS-BUILT" OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. ROCKY MOUNTAIN CONSULTANTS, INC. WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.
 AS-BUILT DATE: OCTOBER 1996

D:\PROJECTS\ERIE\110TEST F11.MXD 1:10.39.05 1996 VALENCIANO

Public Works – Pre-Building Permit Release Checklist

The following items need to be completed per the accepted construction plans and in an operational state for the release of Building Permits in **PROJECT** including **street names**:

- Streets- asphalt paving/concrete paving
 - Including curb drains and associated cleanouts
- Curb & Gutter
- Sidewalk
- Street Signs
- Street Lights
 - Installed and energized (temporary may be considered if permanent are not in place)
 - Permanent street lights are required for COs & TCOs
- Water System- All associated lines and services are tested and functional
 - Water Valves Open
 - Meter Pit Protection
- Sewer System
 - System video and jet & all comments addressed
 - Plug Pulled From Sewer
- Storm Sewer System
 - System video and jet & all comments addressed
 - Pond/Drainage certification and acceptance by TOE Stormwater Coordinator
- Any additional items identified in the Development Agreement



Sunset – Filing 2 2nd Review

Development Review

To: Harry Brennan, Senior Planner
From: Merritt Taylor, Development Engineer
Date: September 11, 2025
Re: Erie Police Station Expansion - Review 2

Engineering Division Comments

The development review team has reviewed the applications for the Erie Police Station Expansion Drawings for conformance with Town Standards and Specs.

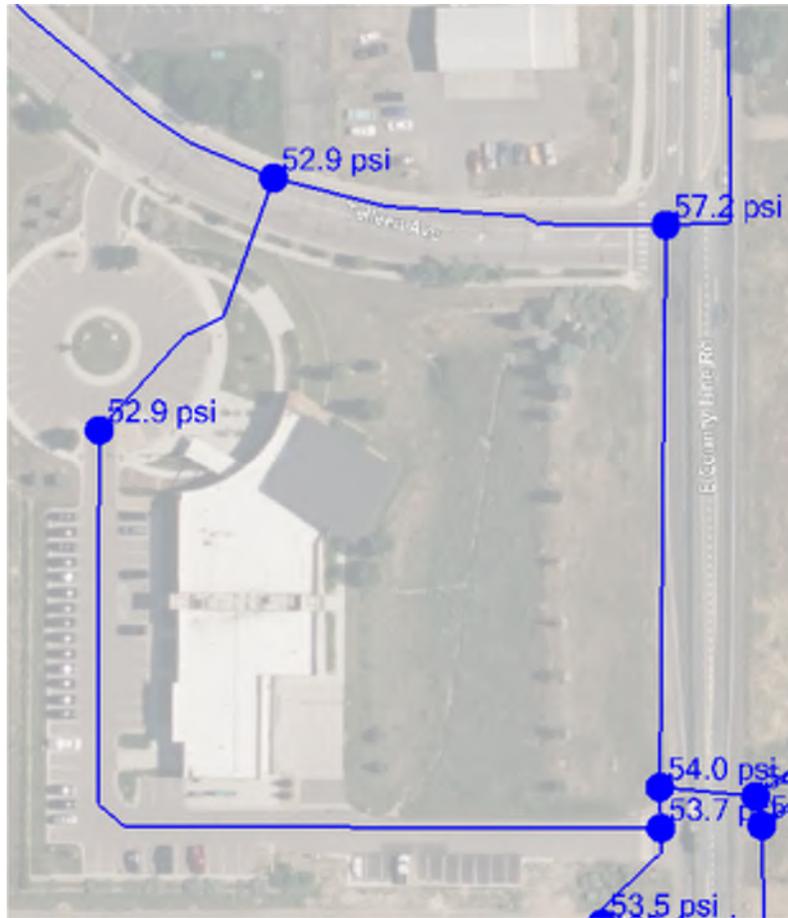
The next step for the application is revision and resubmittal for another engineering review. Please make the appropriate revisions to the application materials and provide written response to address each written comment from the Town staff and referral agencies. All resubmittals shall be submitted via eTRAKIT.

Note: Comments in Grey have been addressed by applicant and are included for informational purposes.

General Construction Plan Comments

1. Please submit Civil Construction Documents per section 12, items e and f of the Site Plan user guide. See:
 - a. <https://www.erieco.gov/DocumentCenter/View/22186/Site-Plan-User-Guide---April-2024>
 - b. a. PEC Response – Noted. Civil Construction Documents to be included with 2nd submittal

2. Please include a utility conformance letter that discusses proposed flows, pressures, and other relevant information for the proposed utilities. Please discuss how these utilities tie into the existing system.
 - a. PEC Response – Utility Conformance Letter will be provided in subsequent submittal. Can the Town provide PEC with the available system pressure or flow test data in the area for the existing watermain? If the town has any information on downstream sanitary sewer this information would also be appreciated.
 - b. Acknowledged: Please be advised that a site-specific flow test will be required to verify connections to the existing water line. For informational purposes only, see the attached PDF for the existing as built for the existing water line. As well as the below snip from the Town Model that illustrates the Max Day Demand. As shown, the hydrant in County Line Road appears to be slightly lower than the tee just south of it.



- i.
- c. In regard to Sewer Capacity, flow calculations will need to be provided in order to ensure the existing capacity is sufficient. Please see below for the peak flow and capacity of the interceptor pipe immediately downstream of the site:
 - i. Master Plan peak flow (d/D of 0.244) = 1.11 MGD (1.71 cfs)
 - ii. Capacity (at d/D of 0.7) = 7.08 MGD (10.95 cfs)
- 3. Please provide final erosion control sheets.
 - a. PEC Response – Final Erosion Control Plan sheet C-306 added to set.
- 4. Per section 613.0, max spacing between hydrants for commercial space is 300'. Please revise plans to include the correct number of fire hydrants.
 - a. PEC Response – Second fire hydrant has been added on west side of building.
- 5. Please revise the design so that all storm pipe is reinforced concrete pipe (RCP.) This is generally recommended for all public storm pipe within the Town.
 - a. PEC Response – Storm pipe revised to be RCP.
- 6. Please update storm structures to be concrete, see previous comment.
 - a. PEC Response – Storm structures revised to be concrete.
- 7. Please update the design of onsite detention pond to include a micropool and updated outlet structure.
 - a. PEC Response – Construction plans now include updated outlet structure design with integrated micropool.
- 8. Please include forebays design for both the outfall in the northwest corner and the outfall in the southwest corner of the pond. The design does not currently show these.
 - a. Noted. Requirements to be provided to GC on project as they are related to substantial completion of construction elements.

9. Please review requirements by the Town that will need to be completed prior to building permit release. See the attached checklist.
 - a. Noted. Fransen Pittman to provide phasing plan at design teams CD deliverable date.
 - b. This was also discussed on August 27, 2025. The applicant will provide phasing prior to CD delivery date.
10. For the proposed water line, please include (3) valves at all tees, including those leading to fire hydrants. See section 600 for requirements.
11. Please show existing utilities on profiles and confirm depths. For example, on sheet C-405, fiber and gas are not show but inverts could affect proposed storm.

General Stormwater Report Comments

1. Please clarify the use of 5-minute storm intensities instead of the 1-hour storm intensities. See section 813.03 for 1-hr rainfall depths.
 - a. Clarification on use of rational method provided in section 3.0 Drainage Design Criteria of stormwater report. Rational method utilizes Intensity-Duration-Frequency curves to develop peak flow rates for corresponding design storms. CUHP method utilizes 1-hr rainfall depths, although it is not applicable for basins less than 90 acres in area.
2. On sewer gem profiles, please provide labels for pipes and structures that correspond to the overall key. In addition, please labels for pipes and structures in the plan and profiles that correspond to the sewer gems key provided.
 - a. Labels for structures, catch basins, pipes, etc... have been updated for consistency between SewerGems and construction plans. SewerGems profiles updated with labels for structures and catch basins.
3. There are many pipes that are not meeting the minimum 2 fps for the initial storm, please review and revise as needed. See section 815.03.
 - a. Storm sewer network revised and recalculated to meet minimum 2 fps in all pipes for initial storm.
 - b. Acknowledged. It appears proposed pipes 9 and 10 are taking no flow in the minor storm and therefore are not meeting this requirement. Please expand on this condition for pipes 9 and 10 and provide reasoning for why minimum velocity can not be met.
4. Please provide a project specific basin map.
 - a. Page 30 of the drainage report appears to satisfy this comment.

General Stormwater Report Comments – Merrick Drainage Referral

1. In the report text, identify that the site is included in the Erie Outfall Systems Plan (OSP) West of Coal Creek, dated January 2014, and provide relevant excerpts from the OSP to show the planned percent imperviousness, basin boundaries, SWMM routing map, potential offsite tributary areas, and recommended plan for the site.
 - a. The requested excerpts and information has been provided within the report.
2. Include the original detention pond calculations from the Caroll & Lange Creekside Subdivision report and the 2012 Martin/Martin drainage report, for reference. Include the percent impervious that was used to size the pond.
 - a. Previous detention pond calculations have been provided in the report as appendix G.
3. Provide the calculation of available pond volume based on the as-built information.
 - a. Calculation provided in section 6.1 Detention Analysis
4. In the report, discuss the new storm sewer outlet to the existing detention pond and provide calculations for the riprap shown in the grading plans.

- a. Discussion added to section 6.2 Storm Sewer Analysis and riprap calculation added to appendix E.
 - b. Note: Riprap calculations in appendix G,
- 5. In Appendix E we have the following comments for the SewerGEMS analysis:
 - a. Use the detention pond 10-year WSEL as the proposed pipe design tailwater condition for the 100-year storm event and the detention pond 2-year WSEL or pipe full for the 5-year storm event.
 - i. 10-year water surface elevation used as tailwater for 100-year storm analysis and WQCV water surface elevation used for tailwater condition during the 5-year storm analysis.
- 6. The original pond design provided a forebay at the north existing storm sewer outfall. Confirm that this feature still exists and label on Sheet C-101 Existing Conditions. Also, provide a forebay for the new south storm sewer outfall.
 - a. Existing forebay labeled on Sheet C-101 Existing Conditions. Existing forebay is an earthen forebay with heavy vegetation to collect sediment and provide energy dissipation. Proposed storm sewer outfall into southern end of existing detention pond is a concrete forebay with baffle wall for energy dissipation and riprap boundary for overtopping flows.
 - b. Acknowledged: please revise the trickle channel to tie into the new forebay. Possible partial removal of the existing trickle channel with a new leg to line up to the forebay such that the baffles are in line with the notch is preferred.
- 7. The original pond design provided a 10:1 slope for maintenance access to the pond bottom in the southeast corner of the pond. Per the contours, about a 6:1 slope exists at this location. Provide gravel maintenance access either in the southeast or southwest corner of the pond at the flattest slope that is possible.
 - a. Gravel pond access road has been provided on construction plans at a slope flatter than 10:1. Gravel pavement section added to site details sheet.
 - b. Acknowledged. Please revise access material from gravel to concrete or VTC. Additionally, please include chain and bollard system at the top of the maintenance path. If possible, please extend access path to new forebay to improve safety.
- 8. On Sheet C-304, use alternative inlet protection for the pond outlet structure since a sediment control log cannot be properly anchored with the concrete trickle channel. Possibly use a rock sock that is heavier.
 - a. Rock sock has been added to phased Erosion Control Pans for installation as control measure within existing concrete trickle channel in existing extended detention basin.
- 9. On Sheet C-405, 30" CPP at 0.42% slope is proposed. We suggest using RCP for storm pipes greater than 24" diameter, especially when installed at a relatively flat slope as proposed.
 - a. All storm sewer pipes have been revised to RCP.
- 10. On Sheets C-406 and C-408, at Inlets CB-1 and CB-2 provide minimum 24" cover for HDPE pipe (Section 815.03).
 - a. Storm Sewer No.1 has been revised to provide a min. 24" cover. Additionally, all storm sewer pipes have been revised to RCP.
- 11. On Sheets LP401 and LP402 Planting Plan, we have the following comments:
 - a. Show the proposed storm pipes and other utilities on the planting plans.
 - i. Show the existing and proposed storm pipes and other utilities on the planting plans.
 - b. On Sheet LP402, remove existing trees and relocate proposed Texas Red Oak tree to provide at least 10' clearance from the proposed gravel access road, or relocate the access road.

- c. New trees and shrubs are proposed along the alignment of the existing north storm sewer and proposed south storm sewer outfall. Revise the location of proposed trees to be at least 10' from storm pipes, manholes, and drain basins. Revise the location of shrubs to provide at least 5' of clearance around manholes and drain basins plus the existing fire hydrant.
 - d. On Sheet LP402, remove proposed trees and shrubs to allow for maintenance access. Also see Comment 8.
- 12. On Sheets C-405, C-406, and C-407, show the hydraulic grade line (HGL) from the SewerGEMs analysis on the profiles.
- 13. On Sheets C-101, C-102, and C-201 include the existing trees shown on Sheet LP402 near the south end of the detention pond. On Sheet C-102 show tree removal, if needed.

Utility Plan Comments– Merrick Utility Referral

1. Sanitary Sewer Master Plan – The site falls within the Orchard Glen Sanitary Sewer Basin. It appears the proposed connections comply with the Town's Wastewater Master Plan and does not trigger any capital improvement projects for the Town. However, proposed flow calculations for the expanded building were not provided, so the full impact on downstream Town infrastructure cannot be confirmed. See also comment number 2 of General Plan Comments
2. Potable Water Master Plan – The site falls within potable water pressure Zone 2. The proposed connection complies with the Town's Water Master Plan, and it is not anticipated that this site would instigate any capital improvement projects. Again, this can be confirmed once flow calculations are provided. See also comment number 2 of General Plan Comments.
3. Non-Potable Master Plan – It does not appear that non-potable water is planned to be used on site. If this is not the case, provide flow and pipe sizing calculations and layout for a non-potable water system.
4. For full review of referrals adherence to Town Criteria, a written Utility Report, minimally including demand/flow calculations, network water model with accompanying results, and pipe sizing analysis should be submitted. This is to verify the design of the water and sanitary systems comply with Town criteria. For reference, available system pressures and information on downstream sanitary sewer capacity will be coordinated with the Town.

Site Plan Comments– MHFD Drainage Referral

1. On sheet C-405, please:
 - a. Include a toe wall at the invert of the pipe to frost depth per MHFD criteria Vol 2, Fig 9-29 through 9-33.
 - b. Show the forebay in the profile with the concrete pan.
 - c. Confirm that the existing concrete pan will tie into the corner of the forebay. It is best if the concrete pan ties into the middle of the forebay near the notch to convey stormwater to the outlet structure. See also comment number 6 of General Stormwater Report Comments
2. MHFD is curious for the need of a riprap rundown and a baffle wall in the forebay. Please expand on the discharge velocity of the pipe based on Appendix F and the need for additional outlet protection outside of the forebay.
3. On sheet C-416, please:

- a. Explain the need for a trash rack on the discharge pipe into the pond. It seems like any trash collected with the storm sewer pipe network will be trapped behind the rack. It is MHFD's opinion that the design has taken into account trash collection with the forebay, micropool and orifice plate.
- b. Include the concrete pan in the forebay profile. It seems like the riprap would be hard to install if the pan ties in at that location.
- c. On the Pond Outlet Structure Detail #3, label the second wingwall and show the section cut for Pond Outlet Structure Detail #4.
- d. Show detail of filter screen shown in Pond Outlet Structure Detail #4. MHFD prefers the dimensions shown in the attached filter screen spec sheet.

Additional attachments:

1. "19960601_Erie Industrial Empire Venture Utility Plan 12in Waterline_Civil_extracted.PDF"
2. "Erie PD_MHFD Comments_well screen.pdf"

The review process is a cumulative process and dependent on various criteria. We reserve the right to provide further comment(s) and request additional information.

Please contact me at mtaylor@erieco.gov for further clarification. Staff would be happy to discuss the comments and answer any questions.

Sincerely,

Merritt Taylor, P.E. | Civil Engineer II

Development Review, Public Works



Town of Erie

Street Address | P.O. Box 750 | Erie, CO 80516

Phone: 303-981-5985

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Enhancing the quality of life by serving and building Erie with PRIDE.



Erie Police Department Expansion – Site Plan 1st Review

Development Review

To: Harry Brennan, Senior Planner
From: Merritt Taylor, Development Engineer
Cc: Chad Schroeder, Development Engineering Manager
Date: July 3, 2025
Re: SP2025-00009 Erie Police Department Expansion – Site Plan

Engineering Division Comments

The development review team has reviewed the applications for the Erie Police Station Expansion – Site Plan for conformance with Town Standards and Specs.

The next step for the application is revision and resubmittal for another engineering review. Please make the appropriate revisions to the application materials and provide written response to address each written comment from the Town staff and referral agencies. All resubmittals shall be submitted via eTRAKiT.

General Site Plan Comments

1. Please submit Civil Construction Documents per section 12, items e and f of the Site Plan user guide. See:
 - a. <https://www.erieco.gov/DocumentCenter/View/22186/Site-Plan-User-Guide---April-2024>
2. Please include a utility conformance letter that discusses proposed flows, pressures, and capacity for the water and sewer mains. Please discuss how these utilities tie into the existing system.
3. Please provide final phase erosion control sheets.
4. Per section 613.0, max spacing between hydrants for commercial space is 300'. Please revise plans to include the correct number of fire hydrants.
5. Please revise the design so that all storm pipe is reinforced concrete pipe (RCP.) This is generally recommended for all public storm pipe within the Town.
6. Please update storm structures to be concrete, see previous comment.
7. Please update the design of onsite detention pond to include a micropool and updated outlet structure.
8. Please review requirements from the Town that will need to be completed prior to building permit release. See the attached checklist.
9. Please provide a general overview of construction phasing and how utility services will be provided to the structure during each phase.

Stormwater Report Comments

1. Please clarify the use of 5-minute storm intensities instead of the 1-hour storm intensities. See section 813.03 for 1-hr rainfall depths.
2. On sewer gem profiles, please provide labels for pipes and structures that correspond to the overall key. In addition, please use labels for pipes and structures in the plan and profiles that correspond to the sewer gems key provided.
3. There are many pipes that are not meeting the minimum 2 fps for the initial storm, please review and revise as needed. See section 815.03.

General Stormwater Comments- Misty Hall

1. The site will disturb over 1 acre. This will require a Base Design Standards form to be completed and attached to the drainage report. This form can be found here: <https://www.erieco.gov/2525/Standard-Forms-Templates>
2. The site will disturb over 1 acre. This will require Town of Erie Stormwater Quality Permit prior to disturbance. To obtain this permit, the following items will need to be submitted prior to construction:
 - a. Phased Erosion Control Plans
 - b. Stormwater Management Plan
 - c. CDPHE Construction Discharge permit
 - d. .dwg file for the limits of construction
 - e. Approved Site Plan

Plan Stormwater Comments- Misty Hall

1. General comment- a back of curb control measure is required to prevent sediment from impervious surfaces.
2. C-304 and C-305- although a control measure is not identified for the west and south perimeter, it is recommended to identify one to prevent the potential to disturb outside of the limits of construction. If a stormwater control measure is not identified, please install fencing to prevent residents who use the trail from entering the job site.
3. C-304 and C-305- Include flow arrows
4. C-304 and C-305 a sediment control log cannot be installed per detail over the concrete trickle channel in the extended detention pond. Identify a different control measure.
5. C-304 and C-305- Identify the limits of construction
6. C-304 and C-305- identify control measures for the disturbances associated with the installation of the new storm line on the south end of the pond.
7. C-304 and C-305-Identify stabilized staging area
8. C-305 Identify a temporary stabilization method and include the detail in the Erosion Control Detail sheets.
9. C-304 and C-305- Identify top soil stockpile locations. If topsoil stockpiling is not going to occur, you must include the reason why it will not occur in the Stormwater Management Plan.

Merrick Drainage Referral Comments

1. In the report text, identify that the site is included in the Erie Outfall Systems Plan (OSP) West of Coal Creek, dated January 2014, and provide relevant excerpts from the OSP to show the planned percent imperviousness, basin boundaries, SWMM routing map, potential offsite tributary areas, and recommended plan for the site.
2. Include the original detention pond calculations from the Carroll & Lange Creekside Subdivision report and the 2012 Martin/Martin drainage report, for reference. Include the percent impervious that was used to size the pond.
3. Provide the calculation of available pond volume based on the as-built information.
4. In the report, discuss the new storm sewer outlet to the existing detention pond and provide calculations for the riprap shown in the grading plans.
5. In Appendix E we have the following comments for the SewerGEMS analysis:

- a. Use the detention pond 10-year WSEL as the proposed pipe design tailwater condition for the 100-year storm event and the detention pond 2-year WSEL or pipe full for the 5-year storm event.
6. The original pond design provided a forebay at the north existing storm sewer outfall. Confirm that this feature still exists and label on Sheet C-101 Existing Conditions. Also, provide a forebay for the new south storm sewer outfall.
7. The original pond design provided a 10:1 slope for maintenance access to the pond bottom in the southeast corner of the pond. Per the contours, about a 6:1 slope exists at this location. Provide a gravel maintenance access either in the southeast or southwest corner of the pond at the flattest slope that is possible.
8. On Sheet C-304, use alternative inlet protection for the pond outlet structure since a sediment control log cannot be properly anchored with the concrete trickle channel. Possibly use a rock sock that is heavier.
9. On Sheet C-405, 30" CPP at 0.42% slope is proposed. We suggest using RCP for storm pipes greater than 24" diameter, especially when installed at a relatively flat slope as proposed. Please also see General Comment 5 above.
10. On Sheets C-406 and C-408, at Inlets CB-1 and CB-2 provide minimum 24" cover for HDPE pipe (Section 815.03). Please also see General Comment 5 above.
11. On Sheets LP401 and LP402 Planting Plan, we have the following comments:
 - a. Show the proposed storm pipes and other utilities on the planting plans.
 - b. New trees and shrubs are proposed along the alignment of the existing north storm sewer and proposed south storm sewer outfall. Revise the location of proposed trees to be at least 10' from storm pipes, manholes, and drain basins. Revise the location of shrubs to provide at least 5' of clearance around manholes and drain basins plus the existing fire hydrant.
 - c. On Sheet LP402, remove proposed trees and shrubs to allow for maintenance access. Also see Comment 8.

Additional attachments:

- a. Building Permit Checklist-see attached "Building permit release checklist_07.01.25.pdf".

The review process is a cumulative process and dependent on various criteria. We reserve the right to provide further comment(s) and request additional information.

Please contact me at mtaylor@erieco.gov for further clarification. Staff would be happy to discuss the comments and answer any questions.

Sincerely,

Merritt Taylor, P.E. | Civil Engineer II

Development Review, Public Works



Town of Erie

Street Address | P.O. Box 750 | Erie, CO 80516

Phone: 303-981-5985

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Enhancing the quality of life by serving and building Erie with PRIDE.



MOUNTAIN VIEW FIRE RESCUE

TRUST • TEAMWORK • PROFESSIONALISM

Town of Erie Planning & Development
645 Holbrook Street
Erie, CO. 80516

June 12, 2025

Re: 1st Referral Review- SP2025-00009 1000 Tellen Ave. Erie PD Addition and Renovation

Mountain View Fire Rescue will require the following:

- Building to have Fire Sprinkler and Fire Alarm- Deferred Submittal to follow at later date.
- Clear access around the west side of building

More comments may follow based upon the final site plan/construction documents.

Thank you.

Greg Wetzberger, Fire Plan Reviewer/Inspector III

Mountain View Fire Rescue
3561 N. Stagecoach Road, Longmont, CO 80504
720-678-9890 | gwetzberger@mvpfd.org | www.mvpfd.org



D

C

B

A

COORDINATE LIST		
POINT	NORTHING	EASTING
5000	1,259,486.4544	3,123,961.6728
5001	1,259,473.2003	3,123,985.3296
5002	1,259,486.1330	3,123,991.9370
5003	1,259,498.7971	3,123,992.2801
5004	1,259,513.6681	3,124,007.2444
5005	1,259,526.5682	3,123,983.1468
5006	1,259,531.7677	3,123,999.9196
5007	1,259,527.5201	3,124,007.8542
5008	1,259,558.2163	3,124,014.0783
5009	1,259,553.9687	3,124,022.0129
5010	1,259,558.2032	3,124,022.5783
5011	1,259,511.0016	3,124,038.7109
5012	1,259,506.7540	3,124,046.6455
5013	1,259,537.4503	3,124,052.8696
5014	1,259,533.2026	3,124,060.8042
5015	1,259,537.4371	3,124,061.3696
5016	1,259,473.2451	3,124,109.2407
5017	1,259,468.9975	3,124,117.1753
5018	1,259,499.6937	3,124,123.3994
5019	1,259,495.4461	3,124,131.3340
5020	1,259,500.4380	3,124,131.4623
5021	1,259,595.8343	3,124,084.1242
5022	1,259,567.4254	3,124,068.9161
5023	1,259,563.1778	3,124,076.8507
5024	1,259,575.0797	3,124,083.2222
5025	1,259,541.5708	3,124,145.8173
5026	1,259,529.6689	3,124,139.4459
5027	1,259,523.5778	3,124,141.2894
5028	1,259,499.0318	3,124,158.6275
5029	1,259,493.1379	3,124,157.7937
5030	1,259,488.5403	3,124,160.1255
5031	1,259,481.7666	3,124,172.7789
5032	1,259,584.4203	3,124,104.7936
5033	1,259,581.6663	3,124,110.1249
5034	1,259,580.4993	3,124,109.5002
5035	1,259,577.9688	3,124,110.0458
5036	1,259,581.8343	3,124,103.4092
5037	1,259,574.2428	3,124,105.0459
5038	1,259,542.5494	3,124,146.3412
5039	1,259,538.0254	3,124,143.9194
5040	1,259,539.5233	3,124,160.1389
5041	1,259,541.1099	3,124,161.3566
5042	1,259,525.3391	3,124,174.3068
5043	1,259,526.5550	3,124,175.8948
5044	1,259,539.4046	3,124,183.4756
5045	1,259,540.7142	3,124,184.9871
5046	1,259,521.2717	3,124,195.7575
5047	1,259,522.1890	3,124,197.5338
5048	1,259,301.5884	3,123,886.7759
5049	1,259,472.5043	3,124,189.8090

COORDINATE LIST		
POINT	NORTHING	EASTING
5050	1,259,473.1920	3,124,181.8385
5051	1,259,473.0201	3,124,183.8306
5052	1,259,452.4904	3,124,176.8088
5053	1,259,451.7218	3,124,178.6553
5054	1,259,466.4627	3,124,205.2410
5055	1,259,466.1963	3,124,207.2175
5056	1,259,488.1437	3,124,207.6089
5057	1,259,487.9253	3,124,205.6209
5058	1,259,442.0644	3,124,176.9336
5059	1,259,435.4072	3,124,166.5612
5060	1,259,434.1378	3,124,166.0066
5061	1,259,427.0246	3,124,158.4060
5062	1,259,425.5032	3,124,159.7042
5063	1,259,413.4406	3,124,138.8303
5064	1,259,413.8201	3,124,135.2234
5065	1,259,413.0571	3,124,132.7844
5066	1,259,411.2646	3,124,133.3086
5067	1,259,410.7549	3,124,121.4127
5068	1,259,408.7681	3,124,121.6421
5069	1,259,402.8555	3,124,114.3307
5070	1,259,445.6177	3,124,153.4332
5071	1,259,452.4396	3,124,140.6897
5072	1,259,451.4699	3,124,135.2097
5073	1,259,446.5963	3,124,129.6024
5074	1,259,442.0181	3,124,108.3855
5075	1,259,428.6609	3,124,087.6421
5076	1,259,444.3395	3,124,100.8392
5077	1,259,442.3779	3,124,094.9852
5078	1,259,425.0541	3,124,080.6070
5079	1,259,442.0446	3,124,048.8687
5080	1,259,430.7847	3,124,083.6748
5081	1,259,434.0884	3,124,077.5034
5082	1,259,444.4714	3,124,058.1077
5083	1,259,447.7751	3,124,051.9364
5084	1,259,457.8235	3,124,020.4528
5085	1,259,463.1137	3,124,023.2837
5086	1,259,476.7788	3,124,030.5990
5087	1,259,481.0265	3,124,022.6644
5088	1,259,455.9984	3,124,009.2662
5089	1,259,454.3465	3,124,008.8519
5090	1,259,446.5576	3,124,008.8519
5091	1,259,442.0577	3,124,013.3250
5092	1,259,441.9769	3,124,026.8545
5093	1,259,400.9776	3,124,026.6096
5094	1,259,401.0533	3,124,013.9426
5095	1,259,398.2462	3,124,013.1978
5096	1,259,451.3441	3,123,965.4094
5097	1,259,442.3443	3,123,965.3556
5098	1,259,451.5234	3,123,935.4099
5099	1,259,442.5235	3,123,935.3562

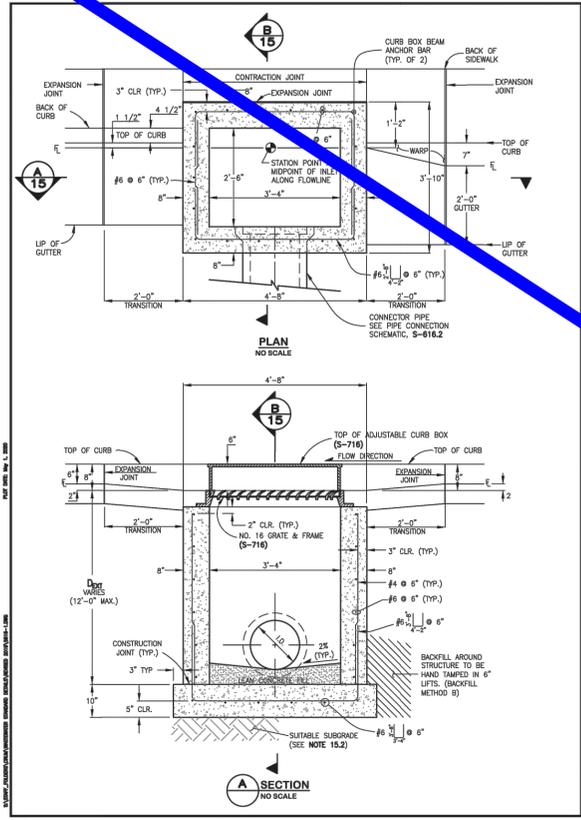
COORDINATE LIST		
POINT	NORTHING	EASTING
5100	1,259,516.0152	3,123,957.2956
5101	1,259,516.3199	3,123,906.2965
5102	1,259,497.1988	3,123,906.1823
5103	1,259,492.7258	3,123,901.6555
5104	1,259,492.8064	3,123,888.1557
5105	1,259,381.8054	3,123,887.4925
5106	1,259,381.7276	3,123,900.9923
5107	1,259,377.2018	3,123,905.4663
5108	1,259,363.1886	3,123,905.3816
5109	1,259,358.7155	3,123,900.8662
5110	1,259,358.7745	3,123,884.0470
5111	1,259,304.7704	3,123,883.7243
5112	1,259,356.2166	3,123,900.5320
5113	1,259,304.1793	3,123,900.2209
5114	1,259,293.6968	3,123,883.8235
5115	1,259,264.3968	3,123,891.3967
5116	1,259,263.5197	3,123,891.4779
5117	1,259,181.2845	3,123,890.5036
5118	1,259,165.6921	3,123,906.4047
5119	1,259,165.0319	3,124,016.9028
5120	1,259,177.8817	3,124,016.9685
5121	1,259,182.3548	3,124,021.4953
5122	1,259,391.3452	
5123	1,259,382.3454	
5124	1,259,391.5244	
5125	1,259,382.5246	
5126	1,259,357.3775	3,123,959.5400
5127	1,259,357.5568	3,123,929.5405
5128	1,259,348.5570	3,123,929.4867
5129	1,259,348.3776	3,123,959.4862
5130	1,259,217.5593	3,123,928.7037
5131	1,259,208.5594	3,123,928.6499
5132	1,259,217.3800	3,123,958.7031
5133	1,259,208.3802	3,123,958.6494
5134	1,259,288.9196	3,124,031.9402
5135	1,259,220.1871	3,124,027.5296
5136	1,259,211.6559	3,124,027.4784
5137	1,259,202.0995	3,124,036.8901
5138	1,259,202.0910	3,124,037.8040
5139	1,259,206.5491	3,124,042.3456
5140	1,259,220.0485	3,124,042.4709
5141	1,259,226.1500	3,124,031.5651
5142	1,259,226.5482	3,124,042.5312
5143	1,259,226.0379	3,124,097.5272
5144	1,259,219.9418	3,124,053.9704
5145	1,259,219.8954	3,124,058.9655
5146	1,259,219.6913	3,124,080.9692
5147	1,259,219.6449	3,124,085.9690
5148	1,259,219.5382	3,124,097.4685
5149	1,259,236.5672	3,124,097.5901

COORDINATE LIST		
POINT	NORTHING	EASTING
5150	1,259,236.5957	3,124,092.8073
5151	1,259,246.2214	3,124,099.8530
5152	1,259,241.8048	3,124,099.8266
5153	1,259,241.8048	3,124,107.9941
5154	1,259,219.4758	3,124,107.9037
5155	1,259,215.7625	3,124,115.9790
5156	1,259,206.0388	3,124,097.3432
5157	1,259,201.4972	3,124,101.8008
5158	1,259,208.6208	3,124,107.8388
5159	1,259,208.6208	3,124,115.9947
5160	1,259,210.7911	3,124,115.9790
5161	1,259,201.4415	3,124,107.8011
5162	1,259,201.3655	3,124,115.9947
5163	1,259,201.3098	3,124,121.9946
5164	1,259,182.3327	3,124,025.1970
5165	1,259,182.0032	3,124,027.6209
5166	1,259,178.0390	3,124,042.2757
5167	1,259,173.6534	3,124,045.6005
5168	1,259,157.0182	3,124,045.4461
5169	1,259,155.9883	3,124,156.4413
5170	1,259,171.4876	3,124,156.5852
5171	1,259,171.0458	3,124,161.0850

COORDINATE LIST		
POINT	NORTHING	EASTING
5200	1,259,215.2668	3,124,208.5032
5201	1,259,367.0447	3,124,209.5767
5202	1,259,380.6235	3,124,217.5101
5203	1,259,377.0031	3,124,223.6952
5204	1,259,419.5798	3,124,248.6170
5205	1,259,454.3163	3,124,189.2737
5206	1,259,463.7599	3,124,191.4531
5207	1,259,464.0016	3,124,190.0044
5208	1,259,399.4437	3,124,117.7856
5209	1,259,394.1465	3,124,104.1118
5210	1,259,404.8649	3,124,104.2175
5211	1,259,404.9776	3,124,032.6335
5212	1,259,386.7916	3,124,032.5249
5213	1,259,344.9603	3,124,032.2750
5214	1,259,345.2823	3,124,006.2764
5215	1,259,288.9499	3,124,005.9399
5216	1,259,289.9168	3,124,025.4460
5217	1,259,246.7954	3,124,031.6885
5218	1,259,246.5966	3,124,092.8551
5219	1,259,609.6893	3,124,063.1844
5220	1,259,579.2243	3,124,046.8756
5221	1,259,583.4719	3,124,038.9410

COORDINATE LIST		
POINT	NORTHING	EASTING
5250	1,259,548.4719	3,123,906.2101
5251	1,259,513.9404	3,123,970.7154
5252	1,259,507.8493	3,123,972.5589
5253	1,259,428.8438	3,124,026.7761
5254	1,259,428.8137	3,124,034.2896
5255	1,259,426.5875	3,124,038.4296
5256	1,259,417.7945	3,124,045.1023
5257	1,259,416.0547	3,124,048.8668
5258	1,259,415.9010	3,124,077.7905
5259	1,259,418.5411	3,124,082.2251
5260	1,259,390.7112	3,124,026.5819

COORDINATE LIST		
POINT	NORTHING	EASTING
500	1,259,570.0717	3,123,917.7730
501	1,259,605.2888	3,123,936.7403
502	1,259,497.2257	3,123,901.6824
503	1,259,496.5189	3,123,966.1793
504	1,259,447.0235	3,123,935.3830
505	1,259,446.8442	3,123,965.3825
506	1,259,387.0245	3,123,935.0246
507	1,259,386.8453	3,123,965.0240
508	1,259,377.2277	3,123,900.9664
509	1,259,363.2155	3,123,900.8817
510	1,259,353.0569	3,123,929.5136
511	1,259,352.8776	3,123,959.5131
512	1,259,304.7376	3,123,889.2242
513	1,259,263.5466	3,123,886.9780
514	1,259,213.0593	3,123,928.6768



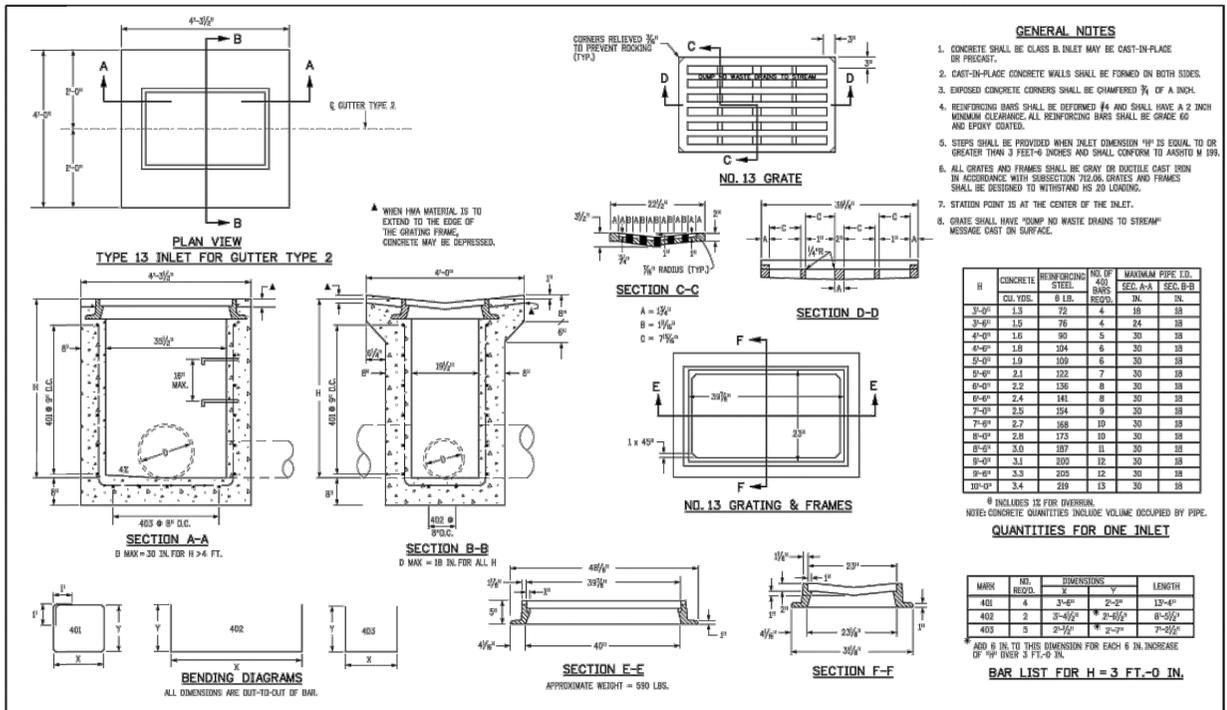
SINGLE NUMBER 16 INLET NOTES:

- FOR PAYMENT PURPOSES, INLET STRUCTURES SHALL ALSO BE CONSIDERED AS SIDEWALK SECTIONS WHERE REQUIRED BEHIND INLET STRUCTURE.
- SUB-GRADE SHALL BE 6"-12" OF CLASS B BEDDING COMPACTED PER WPM STANDARD CONSTRUCTION SPECIFICATIONS, ON SUITABLE, UNDISTURBED MATERIAL. IF SUBGRADE IS UNSUITABLE, THE SUBGRADE SHALL BE OVERLIFTED AND STABILIZED WITH CLASS B BEDDING PER WPM STANDARD CONSTRUCTION SPECIFICATIONS.
- FLOOR SLOPE MAY BE POURED MONOLITHIC WITH BASE.
- 5c = SLOPE OF CONNECTOR = 2% MAX.
- UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR OTHERWISE APPROVED, ALL NO. 16 INLETS SHALL BE CONSTRUCTED WITH AN ADJUSTABLE CAST IRON CURB BOX (S-716).
- DESIGN CONDITIONS FOR INLET ALLOWS DEPTHS OF 12"-0" (MAX.) FOR INLETS MORE THAN 12"-0" DEPTH, SHOP DRAWINGS AND DESIGN ANALYSIS SHALL BE SUBMITTED FOR APPROVAL.
- ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60 DEFORMED BARS. DIAMETER OF BEND MEASURED TO INSIDE OF THE BAR SHALL BE A MINIMUM OF 6 BAR DIAMETER.
- ALL SHALL CONFORM TO ASHOTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017.
- NO FORMWORK SHALL REMAIN INSIDE STRUCTURE WHEN COMPLETE.
- CONCRETE MIX FOR GUTTER AND ANY ADDED STREET PANELS SHALL MEET CLASS 2 REQUIREMENTS FOR SULFATE RESISTANCE IN ACCORDANCE WITH COT STANDARD 801.04 ON STREETS WHERE MAGNESIUM CHLORIDE CHEMICAL ADDERS ARE APPLIED, REFER TO WPM STANDARD CONSTRUCTION SPECIFICATIONS SECTION 11 FOR REQUIREMENTS FOR SULFATE RESISTANCE IN CONCRETE EXPOSED TO EARTH.
- SPLICING OF REINFORCING STEEL SHALL BE PERMITTED ONLY WHERE DETAILED IN DRAWINGS.
- INLET WALLS SHALL BE FORMED BOTH INSIDE AND OUTSIDE. CASTING OF SIDEWALLS AGAINST EARTH IS NOT PERMITTED.
- LEAN CONCRETE FILL TO BE FC = 2000 PSI. INLET STRUCTURE, I.D., STREET CURBS AND GUTTER, AND PAVEMENT TO BE FC = 4500 PSI, MAX. W/C = 0.45 AND AIR ENTRAINED 5% TO 8%. FC = 28 DAY COMPRESSIVE STRENGTH REQUIREMENT FOR MIX DESIGN, FIELD ACCEPTANCE.
- FOR THROUGH STRUCTURES, BENCHES MUST COME TO TOP OF PIPE.
- NO CORNER PENETRATIONS ON STRUCTURE.
- SEE WPM STANDARD CONSTRUCTION SPECIFICATIONS SECTION 11.04 STORM INLET SPECIFICATIONS SHALL BE CONSIDERED NON-COMPLIANT.
- SEE S-616.2 FOR REBAR PLACEMENT AT WALL PENETRATION DETAIL.
- REFER TO "TRANSPORTATION STANDARDS AND DETAILS FOR THE ENGINEERING DIVISION"

STANDARD DETAILS
S-616.1
SINGLE NUMBER 16 INLET

CITY AND COUNTY OF DENVER
2000 W. 3RD AVE. DENVER, CO 80203
www.denvergov.org

NO PLANNING COMMENTS ON THIS SHEET



GENERAL NOTES

- CONCRETE SHALL BE CLASS B INLET MAY BE CAST-IN-PLACE OR PRECAST.
- CAST-IN-PLACE CONCRETE WALLS SHALL BE FORMED ON BOTH SIDERS.
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4" OF AN INCH.
- REINFORCING BARS SHALL BE DEFORMED #4 AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND ENJOY COATED.
- STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET-0 INCHES AND SHALL CONFORM TO ASHOTO M 199.
- ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06 GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.
- STATION POINT IS AT THE CENTER OF THE INLET.
- GRATE SHALL HAVE "DUMP AND WASTE DRAINS TO STREAM" MESSAGE CAST ON SURFACE.

QUANTITIES FOR ONE INLET

H	CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	NO. OF BARS	NO. OF STEPS	MAXIMUM PIPE I.D.
3'-0"	1.5	72	4	18	18
4'-0"	1.6	80	5	24	18
4'-6"	1.8	104	6	30	18
5'-0"	1.9	109	6	30	18
5'-6"	2.1	122	7	30	18
6'-0"	2.2	136	8	30	18
6'-6"	2.4	141	8	30	18
7'-0"	2.5	154	9	30	18
7'-6"	2.7	168	10	30	18
8'-0"	2.8	175	10	30	18
8'-6"	3.0	187	11	30	18
9'-0"	3.1	200	12	30	18
9'-6"	3.3	205	12	30	18
10'-0"	3.4	219	13	30	18

BAR LIST FOR H = 3 FT.-0 IN.

MARK	NO.	DIMENSIONS	LENGTH
401	2	3'-4"	2'-2"
402	2	3'-4"	2'-2"
403	2	2'-2"	13'-0"

Computer File Information
Creation Date: 07/31/19
Designer Initials: JBK

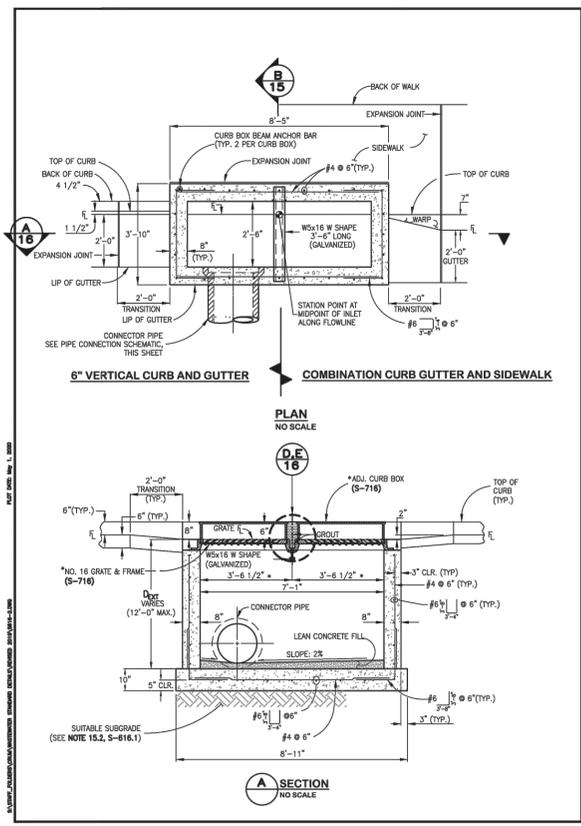
Sheet Revisions

Date	Comments

Colorado Department of Transportation
2829 West Howard Place
CORT 1st Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868

CONCRETE INLET TYPE 13
Issued by the Project Development Branch July 31, 2019

STANDARD PLAN NO.
M-604-13
Standard Sheet No. 1 of 1



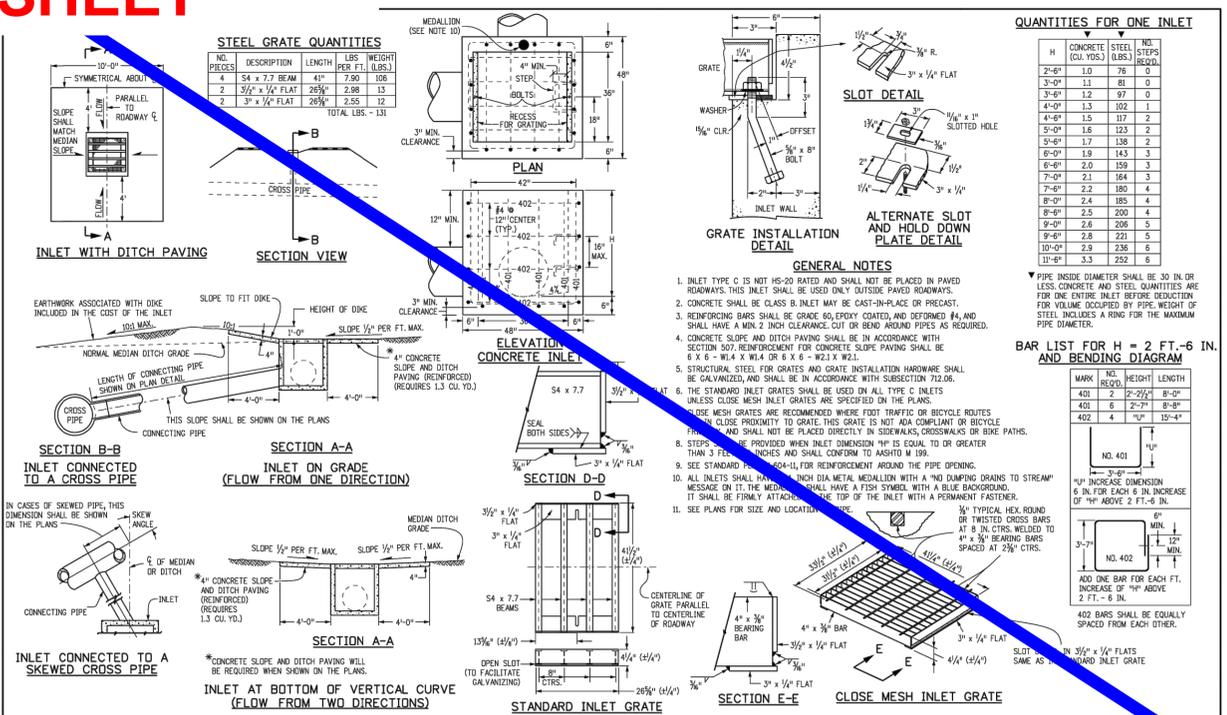
DOUBLE NUMBER 16 INLET NOTES:

- SEE DETAIL SPECIFICATIONS SECTION 11.05 STORM INLETS FOR MORE INFORMATION. USE OF THIS DETAIL WITHOUT SPECIFICATIONS SHALL BE CONSIDERED NON-COMPLIANT.
- SEE GENERAL NOTES ON S-616.1.
- EXPANSION JOINT MATERIAL SHALL BE PLACED FULL DEPTH OF THE CURB AND GUTTER, SIDEWALK, CONCRETE PAVEMENT, AS APPLICABLE. THE TOP PORTION OF THE JOINT SHALL BE SEALED WITH SILICONE SEALANT.
- SEE S-616.1 FOR REBAR PLACEMENT AT WALL PENETRATION DETAIL.

* STANDARD DETAIL S-716 APPLIES TO ALL OF THE GRATE & FRAME GEOMETRIC DIMENSIONS FOR THE DOUBLE NUMBER 16 INLET EXCEPT FOR THE FRAME LENGTH. FRAME LENGTH SHOULD BE MANUFACTURED FOR THE DIMENSIONS CALLED OUT ON THIS SHEET.

STANDARD DETAILS
S-616.2
DOUBLE NUMBER 16 INLET

CITY AND COUNTY OF DENVER
2000 W. 3RD AVE. DENVER, CO 80203
www.denvergov.org



QUANTITIES FOR ONE INLET

H	CONCRETE (CU. YDS.)	STEEL (LBS.)	NO. OF STEPS
2'-6"	1.0	76	0
3'-0"	1.1	81	0
3'-6"	1.2	87	0
4'-0"	1.3	102	1
4'-6"	1.5	117	2
5'-0"	1.6	123	2
5'-6"	1.7	138	2
6'-0"	1.9	143	3
6'-6"	2.0	159	3
7'-0"	2.1	164	3
7'-6"	2.2	180	4
8'-0"	2.4	185	4
8'-6"	2.5	200	4
9'-0"	2.6	206	5
9'-6"	2.8	221	5
10'-0"	2.9	236	6
10'-6"	3.3	252	8

BAR LIST FOR H = 2 FT.-6 IN. AND BENDING DIAGRAM

MARK	NO.	HEIGHT	LENGTH
401	2	2'-2 1/2"	8'-0"
402	4	2'-7"	8'-0"
403	4	2'-7"	8'-0"
404	4	19'-4"	19'-4"

Computer File Information
Creation Date: 07/31/19
Designer Initials: JBK

Sheet Revisions

Date	Comments

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2829 West Howard Place
CORT 1st Floor
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INLET, TYPE C
Issued by the Project Development Branch July 31, 2019

STANDARD PLAN NO.
M-604-13
Standard Sheet No. 1 of 1

D2C ARCHITECTS

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST., STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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DATE	DESCRIPTION

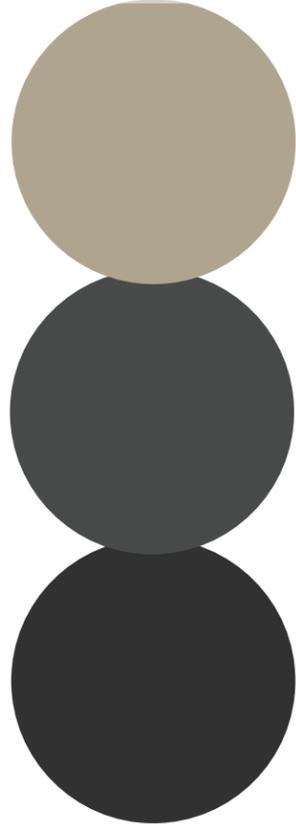
FOR PERMIT

NOT FOR CONSTRUCTION

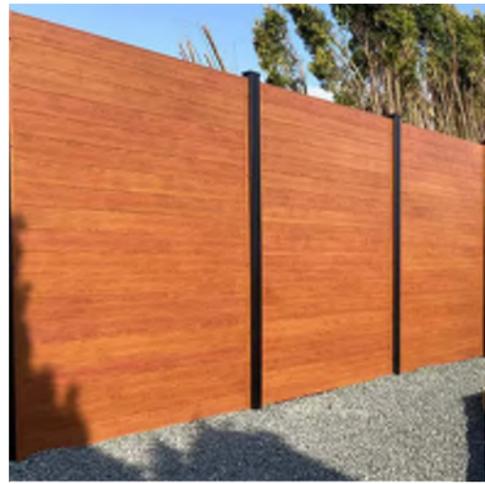
STORM DETAILS

SHHEET IDENTIFICATION C-115

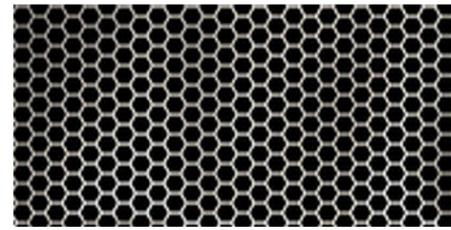
METAL COPING COLORS



STOREFRONTS, WINDOWS, AND CLEAR GLAZING

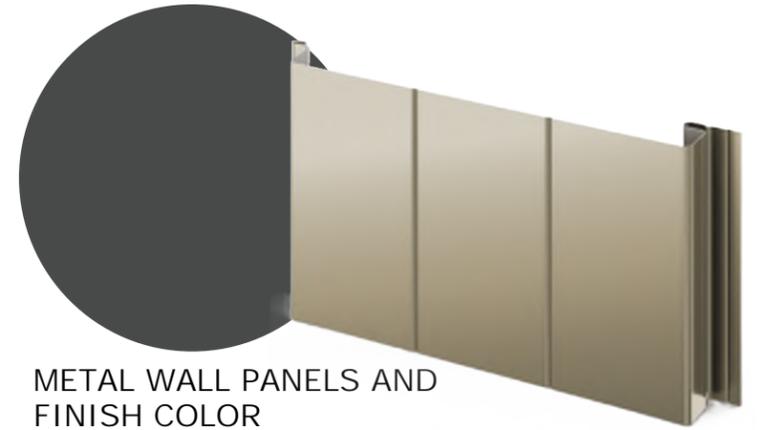
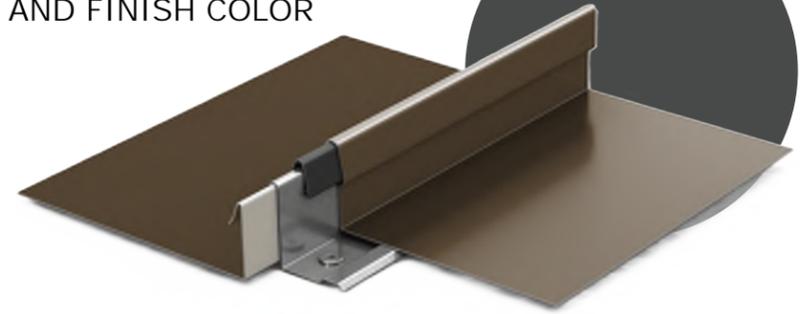


SECURE PERIMETER FENCE

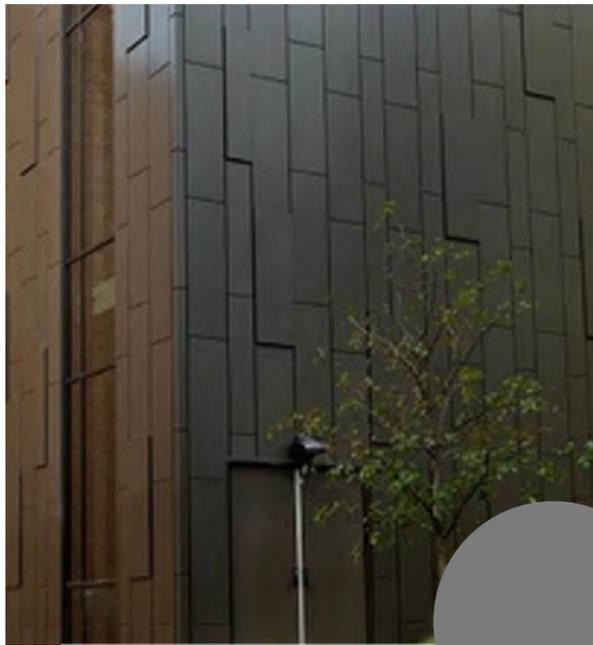


PERFORATED METAL RTU SCREEN PANELS

STANDING SEAM METAL ROOF AND FINISH COLOR



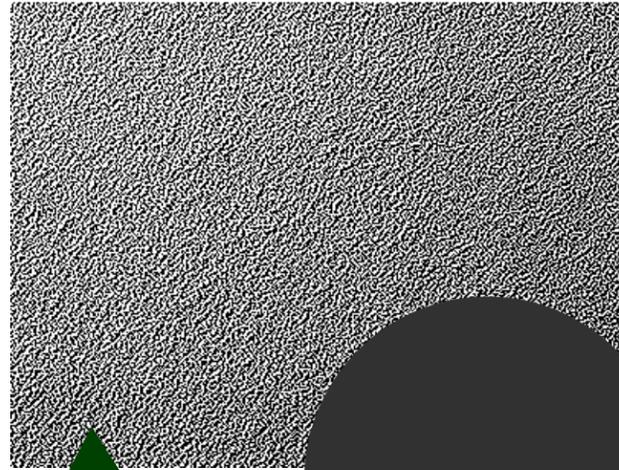
METAL WALL PANELS AND FINISH COLOR



METAL PANEL PATTERN AND FINISH COLOR

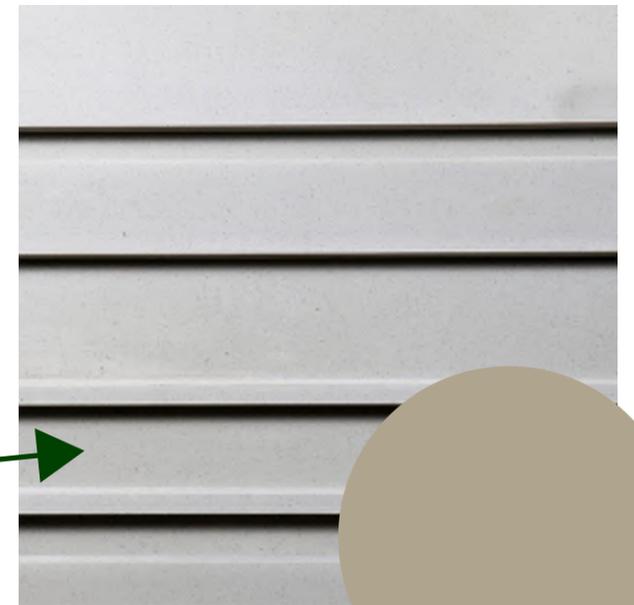


TREX WOOD SLATS FOR WALL ACCENT AND WINDOW SHADING



PRE-CAST TEXTURE AND COLOR

DOUGLAS FIR SLANTED COLUMNS & SOFFIT PANELS



PRE-CAST PATTERN AND COLOR



ERIE POLICE DEPARTMENT EXPANSION & REMODEL EXTERIOR FINISHES

Information on Trash Enclosure & Retaining Wall Exterior Finishes

- Trash Enclosure: Concrete walls will match the smooth textured precast walls of the addition. Utilized will be the same "Smooth Formliner, CF-02" material tag. Trash enclosure fence material will be hold a similar facade to that of the site fencing proposed.

- Retaining Walls: Precast / Cast-in-Place concrete wall with wood formliner pattern or unilock retaining wall blocks.

*** More information will be provided on trash enclosure and retaining wall exterior material selections as the design progresses.

Thank you for the description - please add the details on the trash enclosure & gate design from the CD's (note - 9' fence height is not allowable by the UDC)
Also please add design detail for retaining wall when material is known



Memo

To: Harry Brennan, Senior Planner
From: Nick Wagner, Transportation Engineer
Date: July 1st, 2025
Subject: Erie PD Expansion Submittal #1 - Transportation Engineering Comments
CC: John Firouzi, Bill Cowern (FoxTuttle)

Transportation Comments (Provided by Bill Cowern at FoxTuttle):

1. In general, I agree with the approach taken in the development of this TIS including the scenarios being studied, and the use of Police data to develop a trip generation (since ITE cannot provide one). The amount of traffic to be generated by the expansion is relatively low and it is unlikely that this amount of traffic would necessitate the types of improvements often identified in a typical TIS (extended turn lanes, changes in traffic control, need for additional lanes, etc...).
2. It is concerning to me that the traffic counts for the Telleen and County Line Road intersection were taken from the 2014 TIS (3140 NE County Line Road TIS) when school was not in session and then factored up. Since the other counts were taken when school was in session it would have made the most sense to collect data for this intersection at that time. However, given that those counts were not used, I concur with the approach of factoring the counts up to equal the amounts in and out at the two locations which were collected. However, I did note that the TIS appendix did not include the traffic counts from the 3140 E. County Line Road TIS which makes it impossible to check the distribution of factored traffic at that intersection. Those counts (or a diagram from the study) should be included in the Appendix.
3. It is unclear which condition Table 2 represents. The Table notes that it is a trip estimate for the proposed Police Station. However, it also references 40 patrol officers and 23 other staff used to develop the trip generation. The written narrative for the project describes the 2024 staffing as 60 staff members (48 sworn officers) and goes on to note that future plans are for an increase in staffing to 96 staff between 2035 and 2045 and an increase to 130 staff between 2045 and 2055. This seems to suggest that Table 2 describes current staffing and not future scenarios.
4. On Page 12 the Trip Distribution and Traffic Assignment is discussed. It is notable that the TIS assumes a 20% distribution to and from the west, however existing traffic counts from the site show no traffic going to and from the west. It seems questionable to assign 20% to and from the west given no precedent for that percentage.
5. On Page 13, Figure 4 shows "Project-Generated Traffic". It appears that these numbers were used in the develop of background plus project traffic conditions for both the Short-term (2028) and the Long-term (2045) conditions analyses. As previously noted in my third bullet, the written narrative for the project states that staffing will increase over time. It seems appropriate to use the numbers generated for Figure 4 in the Short-term plus Project traffic scenario, but for the Long-term plus Project traffic scenario, the amount of traffic should be somewhere between 60% and 116% higher than the numbers provided in Figure 4.
6. On Page 20, the TIS notes that "The amount of traffic projected to utilize this intersection would not be sufficient to warrant signalization". The methodology used to assess this is

Signal Warrant analyses from the MUTCD. I did not see a signal warrant analysis in the study.

7. On Page 24, Table 4 details the intersection Approach 95th%ile Queue length analysis. It would be helpful for a reader/reviewer if Table 4 also provided the existing queue lengths (supply) to compare to the projected demand.
8. In reviewing the HCM analyses, I checked the Peak hour factors (PHFs) used and it appeared that intersection PHFs were used. Given the presence of school traffic and the nature of shift arrival traffic, I think it would be better to use approach PHFs in the analyses.
9. This last comment is less about the TIS than about operations in general. The Access to the site from County Line Road appears to allow NB left turns into the site and does not have a NB left turn lane. The speed limit on County Line Road is 45 mph. Very few officers make that turn today but the staffing will more than double over the next 20 to 30 years and the traffic volume on County Line Road will increase. It is worth considering whether that NB left turn movement should be allowed in future conditions. The type of crash that would likely occur, if one were to occur, at this location, would have a high likelihood of a severe outcome.
10. Conclusion: Most of my comments are relatively minor and are unlikely to change the outcome of the TIS. However, not using future project staffing in the trip generation seems a significant error and based on this factor, I'd recommend that the TIS be amended.