

CEDAR RAPIDS MATERIALS LAB WALL LEAK & DRAINAGE CORRECTIONS

PROJECT ADDRESS

5455 KIRKWOOD BLVD SW
CEDAR RAPIDS, IA 52406

CONSTRUCTION PLANS

Project: BG-3C24(002)-80-57

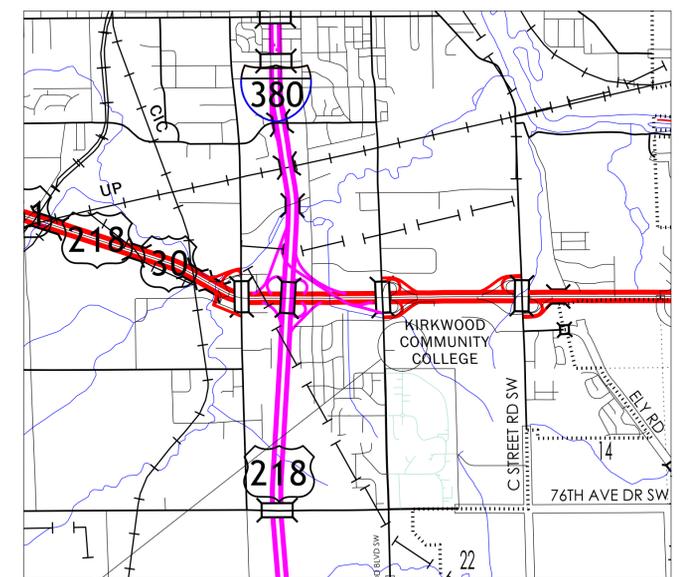
INDEX OF DRAWINGS:

SHEET NO.	SHEET NAME
01 A-1	EXISTING SITE PLAN, PHOTOS
02 A-2	PROPOSED SITE PLAN, ELEVATIONS, DETAILS, WALL SECTION



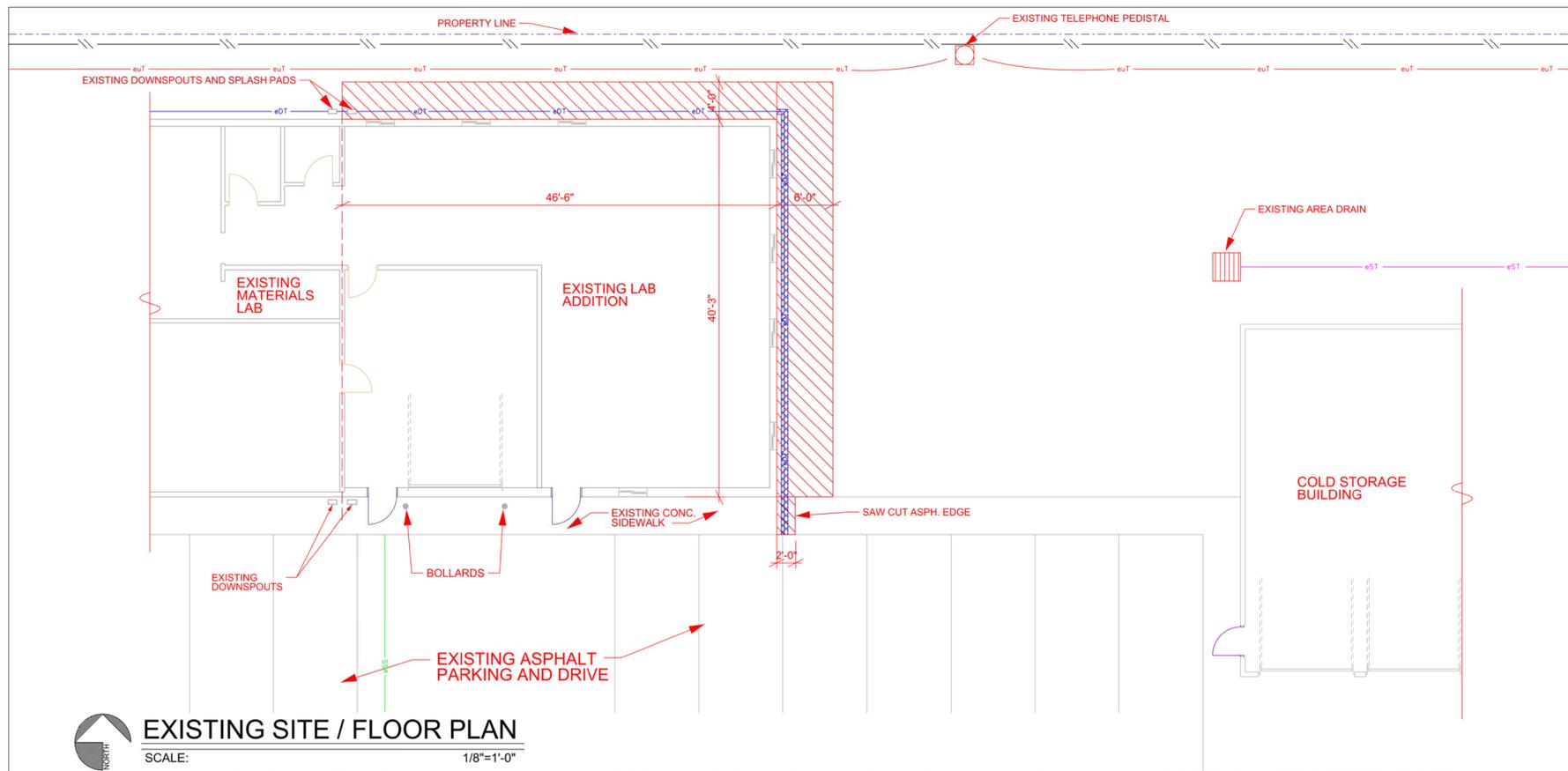
OFFICE OF FACILITIES SUPPORT

800 LINCOLN WAY, AMES, IOWA 50010



PROJECT LOCATION





GENERAL NOTES:

1. CALL FOR EXISTING UTILITY LOCATION STAKES A MINIMUM OF 48 HOURS PRIOR TO DIGGING; IOWA ONE CALL 811. THE LOCATION OF ALL AERIAL AND UNDER GROUND UTILITY LINES ARE APPROXIMATE OR MAY NOT BE INDICATED IN THESE PLANS. UNDERGROUND FACILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. NO EXCAVATION PERMITTED IN THE AREA UNTIL ALL SUCH UNDER GROUND UTILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITIES
2. CONTRACTOR TO PROVIDE DOCUMENTATION OF MINIMUM 5 YEARS EXPERIENCE INCLUDING WORK ON SIMILAR PROJECTS. DOCUMENTATION OF EXPERIENCE REQUIRED PRIOR TO BID AWARD
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. IF THERE ARE DISCREPANCIES, CONTACT IOWA DOT - OFFICE OF SUPPORT SERVICES
4. IN THE EVENT OF CONFLICTS OR DIFFERING AS-BUILT CONDITIONS, NOTIFY IOWA DOT - OFFICE OF SUPPORT SERVICES PRIOR TO FIELD MODIFICATIONS OF DETAILS, CONNECTIONS, OR DIMENSIONS
5. MAINTAIN AND PROTECT EXISTING BUILDING. CONTRACTOR TO ENSURE STRUCTURE IS NOT DAMAGED BY THE APPLICATION OF EXCESSIVE LOADS OR BY ANY OTHER MEANS. CONTRACTOR TO PROTECT ALL UNDERGROUND UTILITIES, CABLES, WIRES, & CONDUIT TO REMAIN. REPAIR OR REPLACE DAMAGES AT GENERAL CONTRACTORS COST
6. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING OF EXISTING STRUCTURE AS REQUIRED TO PERFORM CONSTRUCTION SHOWN HEREIN
7. HAUL ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS OFF-SITE AND DISPOSE OF PROPERLY
8. FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AND WARNINGS NEEDED FOR CONSTRUCTION OPERATIONS. ENSURE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION AND CONSTRUCTION. MAINTAIN EMPLOYEE AND PUBLIC ACCESS TO BUILDING
9. PROTECT BY WHATEVER MEANS REQUIRED ALL FENCES, SIGNS, STRUCTURES, UTILITIES, STREETS, BUSHES, TREES, ETC. WHICH ARE NOT DESIGNATED FOR REMOVAL; OR ARE OUTSIDE THE LIMITS OF CONSTRUCTION
10. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. DO NOT ALLOW WATER TO POND IN EXCAVATION AREAS, AND MAINTAIN ALL EXISTING DRAINAGE PATTERNS
11. CONTRACTOR TO REMOVE TOP SOIL AT EXCAVATION LOCATIONS AND SAVE FOR REPLACEMENT AFTER CONSTRUCTION FOR 18" LAYER ON TOP OF GRANULAR FILL
12. SALVAGE ALL SPLASH BLOCKS AT DOWNSPOUT FOR REINSTALLATION
13. RE GRADE AROUND BUILDING SO GROUND SLOPES AWAY FROM BUILDING AT 5% MINIMUM SLOPE
14. PLANT GRASS SEED IN ALL EXISTING LAWN AREAS AFFECTED BY PROJECT

SITE LEGEND

- | | | | | |
|--|-----|--------------------------------|--|---|
| | ess | EXISTING SANITARY SEWER | | EXISTING SITE: EXCAVATION / DEMOLITION AREA |
| | euT | EXISTING UNDERGROUND TELEPHONE | | EXISTING BUILDING WALL: FOUNDATION PROTECTION BOARD |
| | | EXISTING CHAIN LINK FENCE | | EXISTING DRAIN TILE DEMOLITION |
| | eDT | EXISTING DRAIN TILE (4") | | |
| | eST | EXISTING STORM TILE | | |

EXISTING SITE / FLOOR PLAN
SCALE: 1/8"=1'-0"

DISTRICT: 06

COUNTY: LINN

CEDAR RAPIDS, IOWA

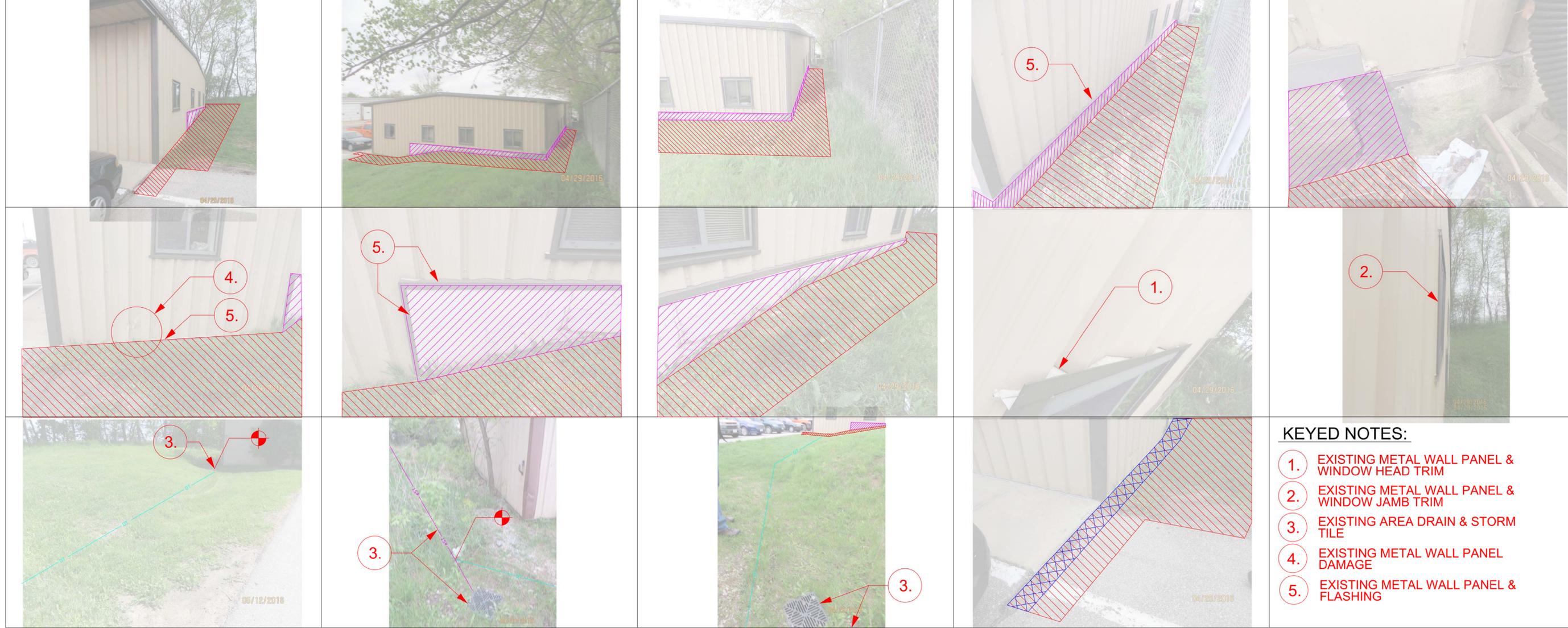
MATERIALS LAB - WALL LEAK & DRAINAGE

IOWA DOT
SMARTER SIMPLER CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 (515) 239-1299

DATE: AUG 2016
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

1 SHEET OF 2
A-1

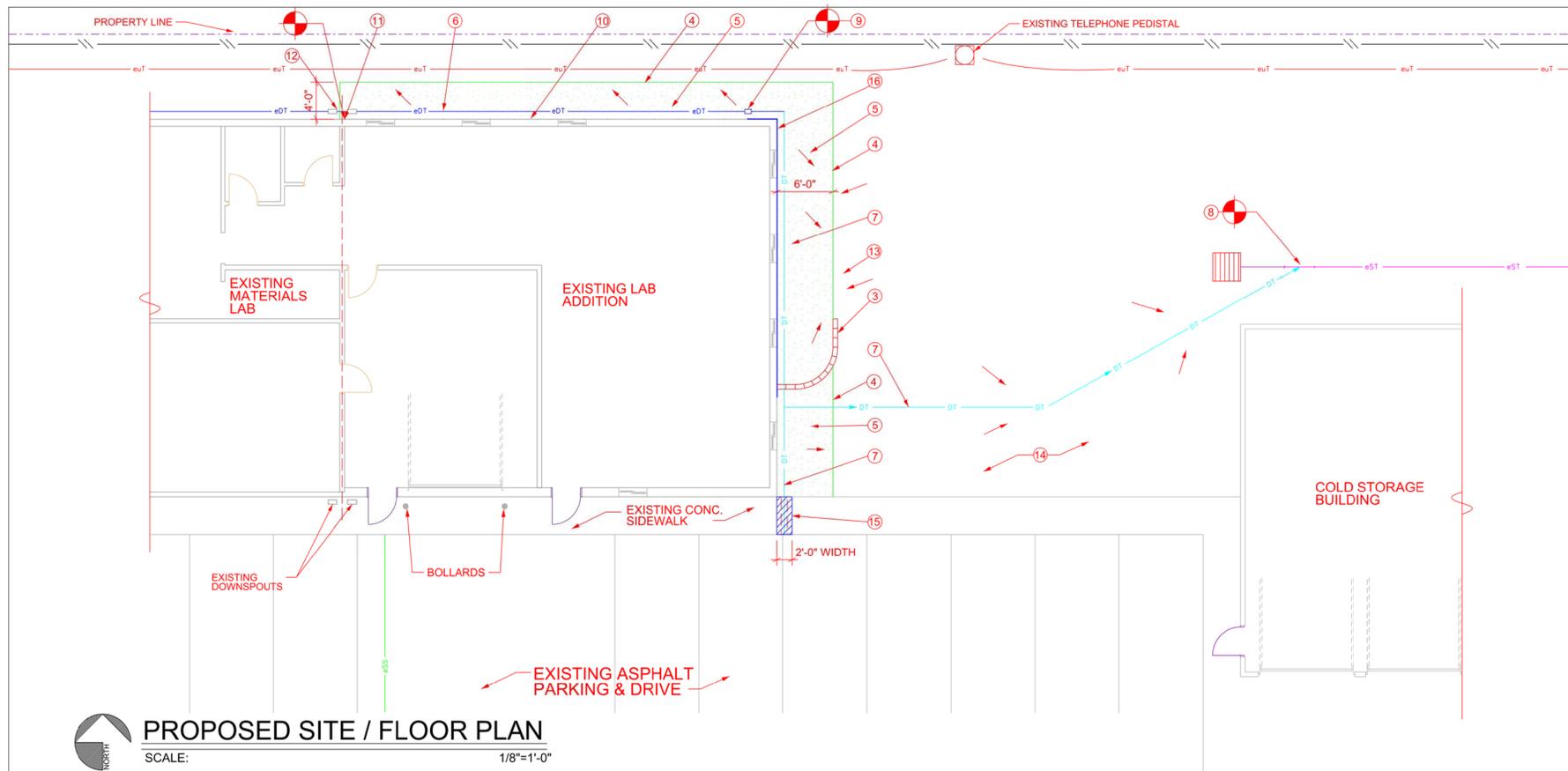
PROJECT NUMBER: BG-3C24(002)--80-57



KEYED NOTES:

1. EXISTING METAL WALL PANEL & WINDOW HEAD TRIM
2. EXISTING METAL WALL PANEL & WINDOW JAMB TRIM
3. EXISTING AREA DRAIN & STORM TILE
4. EXISTING METAL WALL PANEL DAMAGE
5. EXISTING METAL WALL PANEL & FLASHING

SHEET SIZE: 24" X 36"



KEYED NOTES:

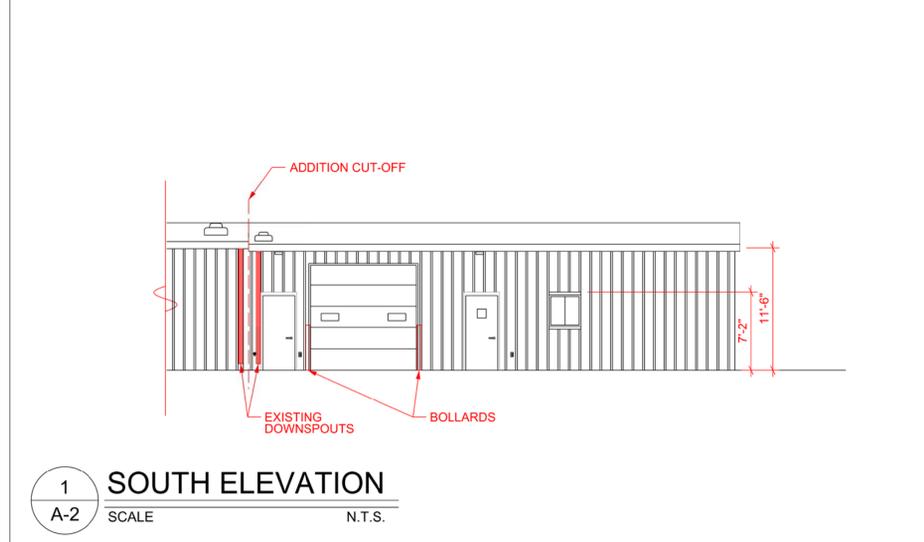
- CALL FOR EXISTING UTILITY LOCATION STAKES A MINIMUM OF 48 HOURS PRIOR TO DIGGING: IOWA ONE CALL 811. THE LOCATION OF ALL AERIAL AND UNDER GROUND UTILITY LINES ARE APPROXIMATE OR MAY NOT BE INDICATED IN THESE PLANS. UNDERGROUND FACILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. NO EXCAVATION PERMITTED IN THE AREA UNTIL ALL SUCH UNDER GROUND UTILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITIES
- SEE GENERAL NOTES, SHEET A-1 FOR ADDITIONAL REQUIREMENTS
- STEPPED MODULAR CONCRETE MASONRY RETAINING WALL, WITH ROUGH FACE LIPPED BACK EDGE (4" MIN. H. X 7" MIN. D. X 10" MIN. L.)
- PRECAST CONCRETE MASONRY EDGING (4" MIN. H. X 10" MIN. L.) WITH INTERLOCKING BASE, ROCKWOOD CLASSIC EDGE OR APPROVED EQUAL. SUBMIT COLOR SAMPLES FOR APPROVAL
- 2" LAYER OF WASHED RIVER ROCK OVER LANDSCAPE FABRIC
- EXISTING 4" DRAIN TILE TO REMAIN ALONG NORTH LAB WALL TO TIE-IN LOCATION SHOWN
- NEW 6" DRAIN TILE. PROVIDED ALL NECESSARY FITTINGS, ACCESSORIES, END CAP AND FILTER FABRIC
- TIE NEW 6" DRAIN TILE INTO EXISTING STORM DRAIN TILE. PROVIDE NEW WYE (SIZED AS REQUIRED) AT TIE-IN
- TIE NEW 6" DRAIN TILE INTO EXISTING 4" DRAIN TILE. PROVIDE NEW REDUCER AT TIE-IN
- PROVIDE NEW PROTECTION BOARD OVER EXISTING RIGID INSULATION BOARD. REPAIR/REPLACE MISSING/DAMAGED INSULATION DB. WITH LIKE MATERIAL PRIOR TO PROTECTION BD. INSTALLATION
- TIE INTO EXISTING MATERIALS WITH FLEXIBLE MATERIAL SEALANT. PROVIDE WATER TIGHT CONNECTION
- REINSTALL SPLASH BLOCKS AT DOWNSPOUT (NORTH WALL) & OUTLET PIPING
- REGRADE AROUND BUILDING SO GROUND SLOPES AWAY FROM BUILDING AT 5% MINIMUM SLOPE
- PLANT GRASS SEED IN ALL EXISTING LAWN AREAS AFFECTED BY PROJECT
- PROVIDE 4" CONCRETE AT DEMOLISHED DRAIN PIPE / ASPHALT
- PROVIDE NEW R-10 RIGID INSULATION BD. W/ PROTECTION BD. OVER, SEE DETAIL 7/A-2

SITE LEGEND

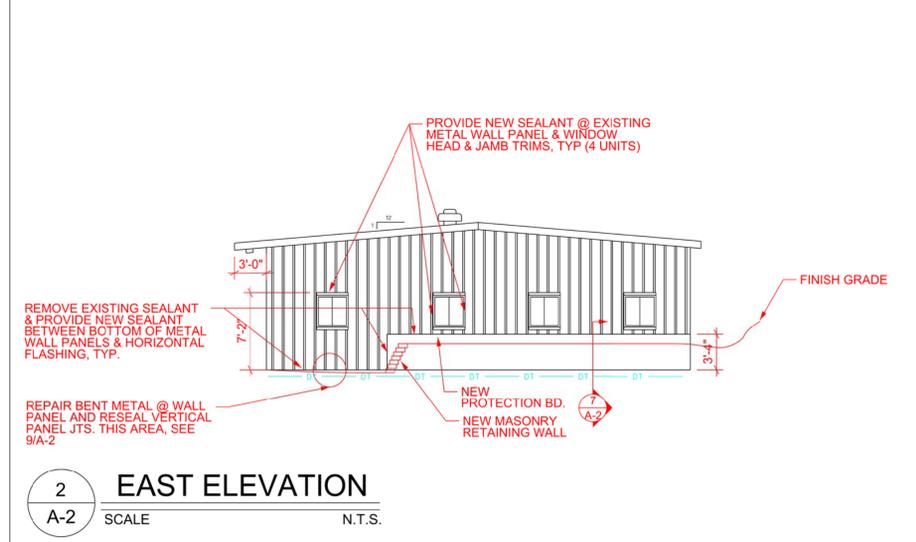


PROPOSED SITE / FLOOR PLAN
SCALE: 1/8"=1'-0"

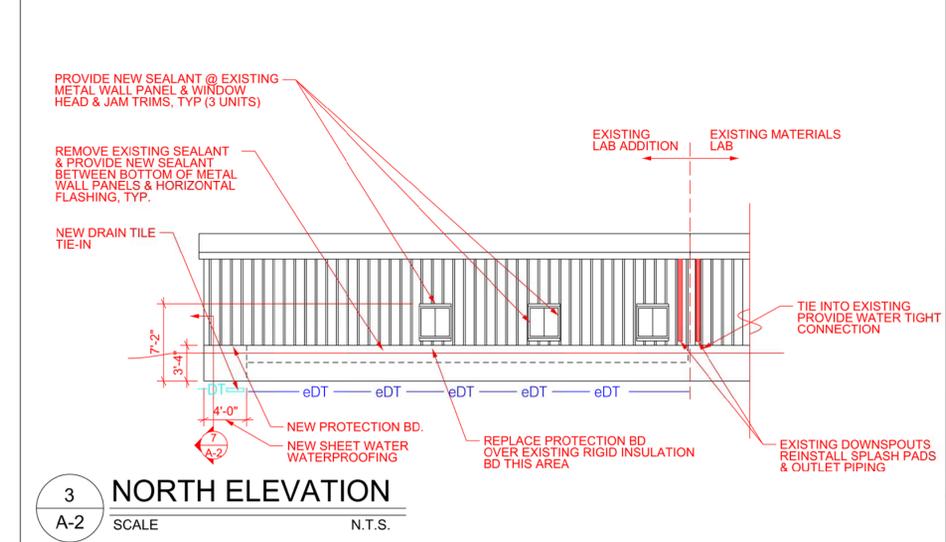
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COUNTY: LINN
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MATERIALS LAB - WALL LEAK & DRAINAGE
CEDAR RAPIDS, IOWA
PROPOSED SITE PLAN, ELEVATIONS, DETAILS, SECTIONS



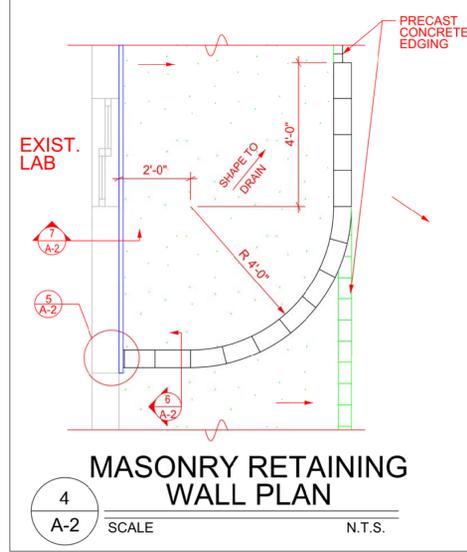
1 SOUTH ELEVATION
SCALE N.T.S.



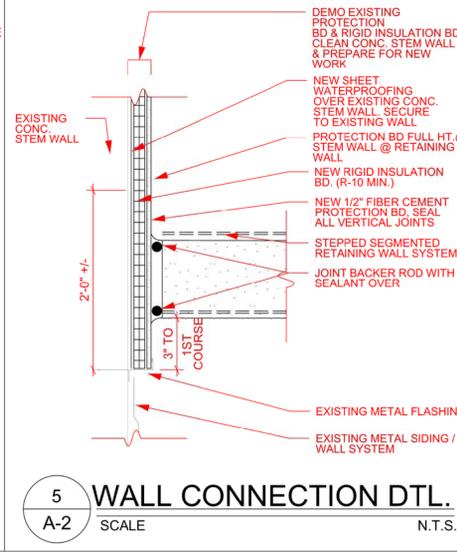
2 EAST ELEVATION
SCALE N.T.S.



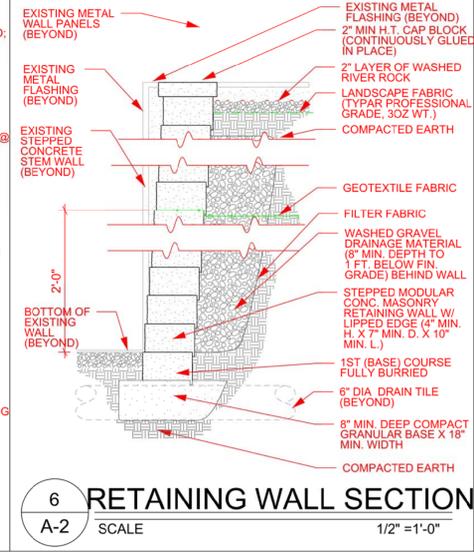
3 NORTH ELEVATION
SCALE N.T.S.



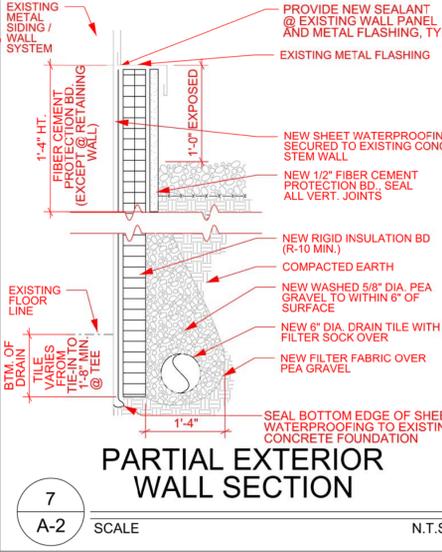
4 MASONRY RETAINING WALL PLAN
SCALE N.T.S.



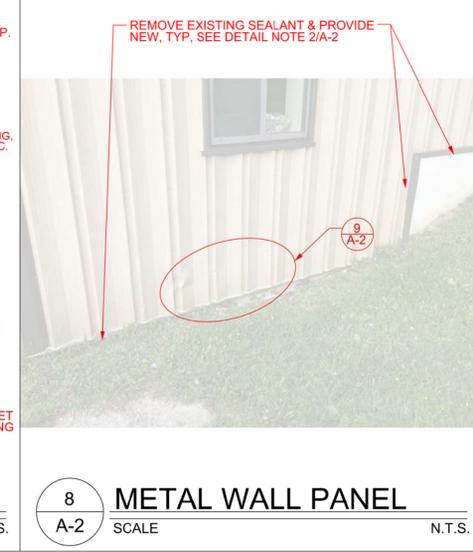
5 WALL CONNECTION DTL.
SCALE N.T.S.



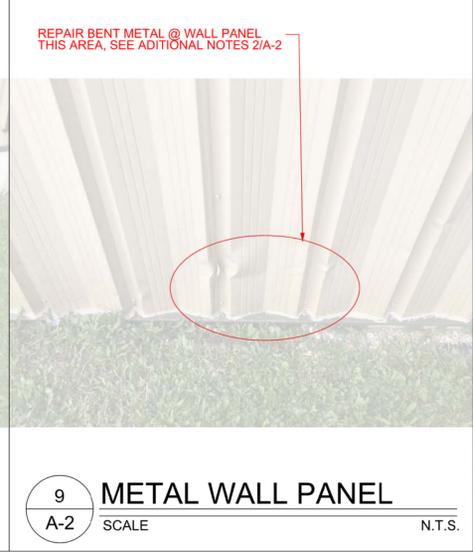
6 RETAINING WALL SECTION
SCALE 1/2"=1'-0"



7 PARTIAL EXTERIOR WALL SECTION
SCALE N.T.S.



8 METAL WALL PANEL
SCALE N.T.S.



9 METAL WALL PANEL
SCALE N.T.S.

IOWADOT
SMARTER SIMPLER CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AME'S, IOWA 50601-0151/239-1299
DATE: AUG 2016
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:
2 SHEET OF 2
A-2

SHEET SIZE: 24" X 36"