OPEN AREA MIN.) INLET GRATE WITH 4'x4' & 6'x6' CONCRETE INLET WITH CUSTOM MIN 3.000 PSI AT 28 DAYS. ALL STEEL TO BE $f_Y = 60,000 \text{ PSI}.$

HANDICAP AREA TO BE ADA COMPLIANT. SLOPES SHALL NOT EXCEED 2.0% IN ANY DIRECTION IN THIS AREA.

NOTE: MIN. #4 BARS @ 12" O.C. (ALL WALLS VERT, HOR, & SLAB)

HANDICAP PARKING DETAIL **SCALE: 1" = 10**'



GENERAL NOTES:

- A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. B. SITE CONDITIONS BASED UPON SURVEY SUBMITTED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED SITE
- CONSTRUCTION. C. FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT
- PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. D. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT

INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING

PIPES NOTES:

1. THE APPROVED PIPE MATERIALS ARE REINFORCED CONCRETE PIPE (RCP), HIGH DENSITY POLYETHLYENE (HDPE), N-12 CORRUGATED METAL PIPE (CMP). 2. ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER.

SITE EXCAVATION **REQUIREMENTS:**

NEENAH R-4859-C (2.4 SQ. FT

- 1. A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. REFER TO PROJECT MANUAL. 2. FOLLOW GEOTECHNICAL ANALYSIS RECOMMENDATION FOR SITE
- 3. REFER TO STRUCTURAL DRAWINGS FOR BUILDING EXCAVATION

CONSTRUCTION EGRESS NOTES:

- 1. CONSTRUCTION EGRESS SHALL BE 25' MINIMUM WIDTH AND 30' MINIMUM LENGTH AND 6" MIN THICKNESS OF STONE (1.5"-3.5") COARSE AGGREGATE WITH GEOTEXTILE UNDERLINER. REFER TO THE CITY OR STATE FOR ANY ADDITIONAL REQUIREMENTS.
- THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS STRUCTURE USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO
- ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. . WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY, WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN LOCATED PER THI

STAGES OF CONSTRUCTION:

1. CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND CONSTRUCTION, CONTACT OWNER WITH ANY CONFLICTS, MONTH 1

- 2. INSTALLATION OF CONSTRUCTION ENTRANCE, MONTH 1 3. INSTALLATION OF EROSION CONTROL FENCE. MONTH 1
- 4. DEMOLITION OF EXISTING SITE IMPROVEMENTS. MONTH: 5. REMOVAL OF EXISTING PAVEMENT ON THE SITE. MONTH 1
- 6. INSTALLATION OF ALL STORMWATER DRAINAGE IMPROVEMENTS. MONTH 1
- 8. CONSTRUCTION OF NEW SITE IMPROVEMENTS. MONTH 2
- 9. FINAL GRADING. MONTH 3
- 10. PLACEMENT OF FINAL LANDSCAPING ITEMS AND SOD. MONTH 3 11. REMOVAL OF EROSION CONTROL FENCE. MONTH 3

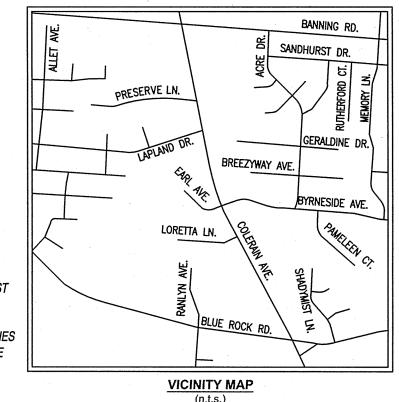
7. ROUGH GRADING. MONTH 1 & MONTH 2

RIP-RAP NOTE:

PLACE RIP-RAP IN ALL PLACES AS INDICATED ON THE PLAN. THE STONE FOR RIP-RAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE AS NEARLY AS UNIFORM, IN SECTION AS PRACTICAL. THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE PURPOSE INTENDED UNLESS OTHERWISE SPECIFIED. ALL STONES USED AS RIP-RAP SHALL WEIGH BETWEEN 50-150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH. STONES SHALL BE A MINIMUM OF 12" IN DIAMETER AND PLACED A MINIMUM OF 18" BELOW FINISH GRADE.

DETENTION

1,030.4 1,254.4



EROSION CONTROL & MAINTENANCE PLAN NOTES:

- SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED
- MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.

STORM WATER RUNOFF SUMMARY:

TOTAL PROPERTY AREA= 0.83 ACRES TOTAL DISTURBED AREA = 0.62 ACRES < 1.0 ACRES THEREFORE NO NOI.

1. ON-SITE AREAS & RUNOFF COEFFICIENTS: 3. PRECIPITATION DATA: DESIGN PROJECT AREA = 0.83 ACRES PRE-DEVELOPMENT 6.25 5-YR EVENT EXISTING GRASS LOT 10-YR EVENT

6.95 PERVIOUS AREA = 0.30 ACRES C = 0.30 **50-YR EVENT** IMPERVIOUS AREA = 0.53 ACRES C = 0.45 4. EXISTING SITE RUNOFF: COMPOSITE RUNOFF COEFFICIENT, C = 0.40 FLOW, GPM 5 YR POST-DEVELOPMENT Q pre= 929.2 1,030.4 1,254.4 **DEVELOPED GRASS GOOD CONDITION**

5. DEVELOPED SITE RUNOFF: PERVIOUS AREA = 0.50 ACRES C=0.30 FLOW, GPM 5 YR 10 YR 50 YR Q post= 1,648.6 1,832.3 2,229.2 NEW ROOF, CONCRETE & NEW PAVING: IMPERVIOUS AREA = 0.33 ACRES C=0.98 COMPOSITE RUNOFF COEFFICIENT, C = 0.71

6. DETENTION VOLUME PROVIDED: 2. TIME OF CONCENTRATION: VOLUME VOLUME PRE-DEVELOPMENT ELEVATION SUM SUM STORM ELEVATION FLOW OUT FLOW OUT EXISTING BUILDING AND PARKING LOT

+ 809.7 F

+ 809.60 FI

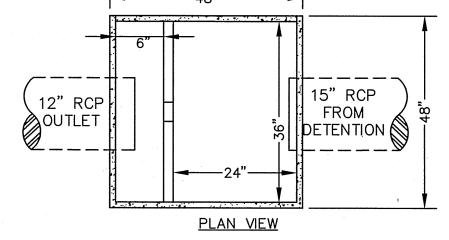
LENGTH = 225', SLOPE = 3.5%T = 2.0 MINUTES 810.00 259.4 811.00 1,350 0.031 POST-DEVELOPMENT 281.8 313.6 2,324 0.053 NEW PARKING LOT & BUILDING 812.29 813.00 3,000 813.40 3,017 0.069 LENGTH = 300', SLOPE = 2% 0.069 T = 3.1 MIN < 5 MIN

DETENTION DETAIL

SCALE: NOT TO SCALE

809.05 FL +

809.00 FL +



FIELD VERIFY SANITARY SEWER CONNECTION **NVERT PRIOR TO ESTABLISHING FINAL FINISH**

CONTRACTOR SHALL FIELD VERIFY

IF DISCREPANCY OCCURS.

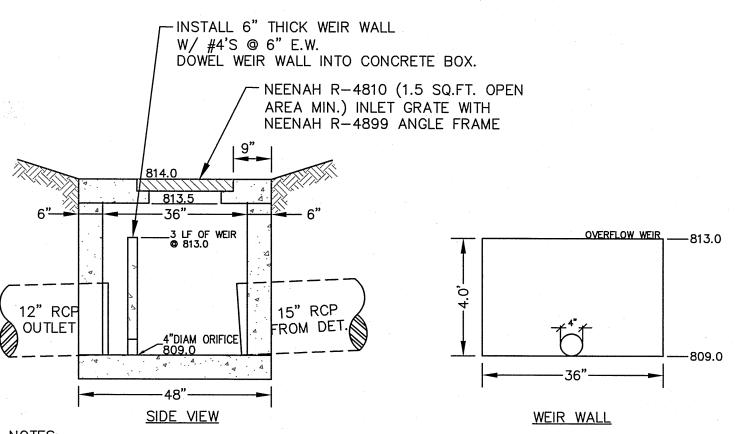
PROPOSED GRADES MATCH EXISTING

PAVEMENT AT DRIVEWAY ENTRANCES.

CONTRACTOR SHALL NOTIFY ENGINEER

FLOOR ELEVATION. REFER TO SITE UTILITIES PLAN

SPECIAL NOTE:



1. SEAL ALL CONNECTIONS WITH NON-SHRINK GROUT 2. MIN. #4 BARS @ 12" O.C. EACH WAY (ALL WALLS VERT, HOR & SLAB)

C1 SCALE: NOT TO SCALE

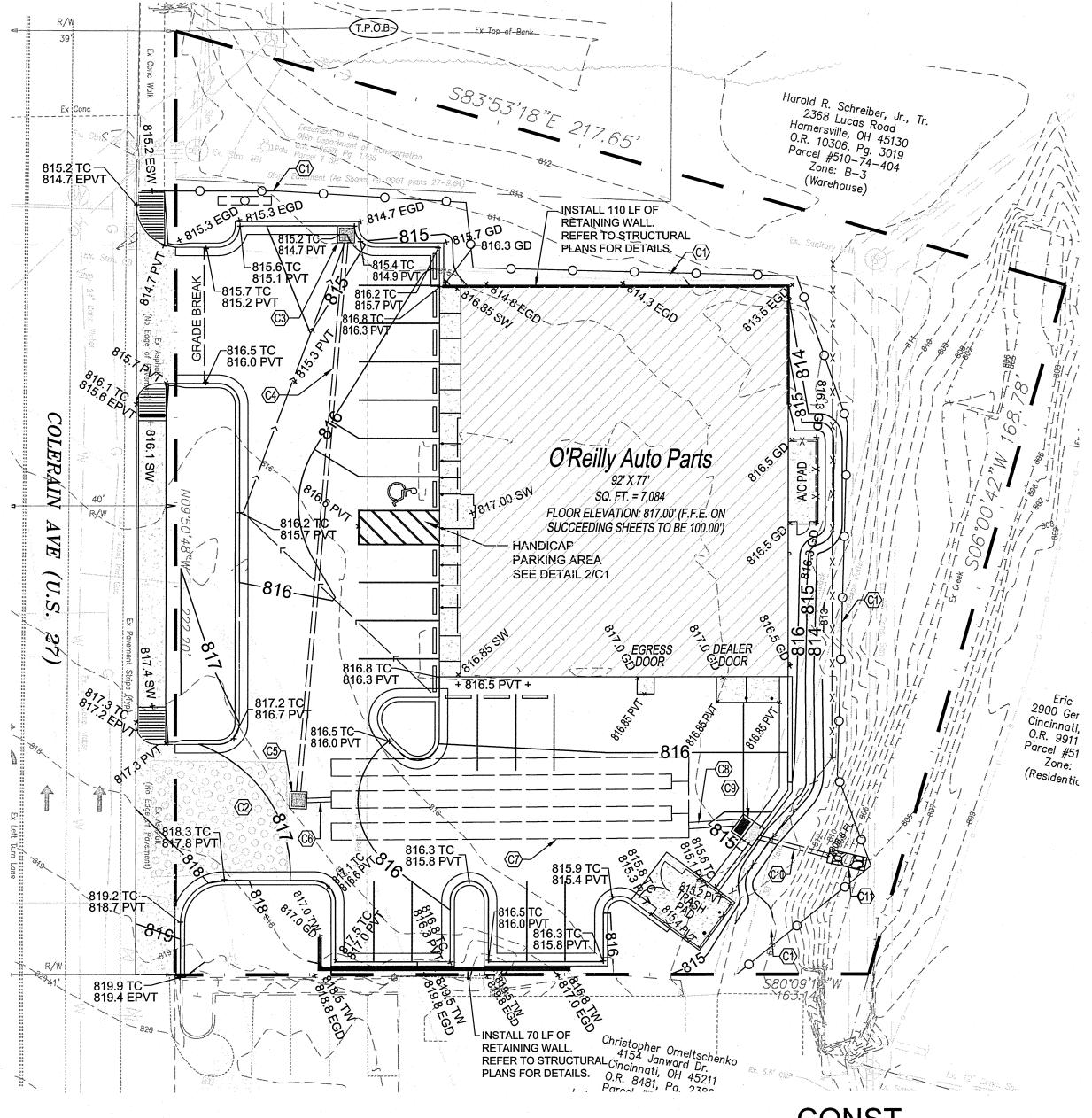
3. INSTALL 6" THICK WEIR WALL W/ #4'S @ 6" E.W., DOWEL WEIR WALL INTO 4. AFTER EACH MAJOR RAINFALL EVENT OWNER MUST INSPECT WATER

QUALITY/DETENTION OUTLET FOR SEDIMENT ACCUMULATION AND REMOVE

SEDIMENT IF PRESENT. 4 4'x4' DETENTION OUTLET

SYMBOLS LEGEND REFER TO SURVEY (SV1) FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL. SIDEWALK ---817---EXISTING GRADE LINES TOP OF WALL TOP OF CURB TOP OF PAVEMENT PROPOSED NEW GRADE LINES NEW GRADE CONCRETE CONC EXISTING TOP OF CURB ETC NEW BUILDING EXISTING GRADE EGD CONSTRUCTION **EPVT** EXISTING PAVEMENT EXISTING SIDEWALK ESW **NEW POLE SIGN** FLOW LINE LOCATION TOP OF BERM NEW CONCRETE PAVING BLOCK TEMPORARY BENCH MARK:

MAG NAIL IN SOUTHWEST CORNER TEMPORARY EROSION CONTROL OF SITE.(AS SHOWN HEREON, REFER TO SV1 FOR CONTROL) ELEVATION = 819.41 SURFACE FLOW ARROW



SITE PLAN SCALE: 1" = 20'-0"





KEY NOTES:

LIMITS OF TEMPORARY EROSION CONTROL FENCE. REFER TO DETAIL 10/C3

THEREFORE $T_c = 5 MIN$

- INSTALL CONSTRUCTION EGRESS PER NOTE
- INSTALL 4'x4' AREA INLET, RIM=814.7, INV=811.8 REFER TO 3/C1
- INSTALL 130 LF OF 15" Ø PIPE. SEE PIPE NOTES.
- INSTALL 4'x4' AREA INLET, RIM=816.8, INV=811.5
- INSTALL 6 LF OF 15" Ø PIPE. SEE PIPE NOTES.
- INSTALL UNDERGROUND DETENTION 3-RUNS 80 LF OF 48" PIPE (240 LF TOTAL EXCL. TEES AND ELBS). SEE DETAIL 5/C1 FOR LAYOUT
- INSTALL 12 LF OF 15" Ø PIPE. SEE PIPE NOTES.
- INSTALL 4'x4' DETENTION OUTLET, RIM=814.9, INV=809.0
- (C10) INSTALL 18 LF OF 12" Ø PIPE. SEE PIPE NOTES.
- (11) INSTALL 5' X 10' RIP RAP PAD PER NOTE



CHNEIDER,

AUTO

Reilly

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REVISION

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