GENERAL NOTES

1. THE REQUISITES OF THE CITY OF COLUMBUS, TOGETHER WITH THE MOST CURRENT SPECIFICATIONS AVAILABLE, CAN BE FOUND ON THE CITY'S WEBSITE. THE CONTRACTOR SHOULD CONTACT THE ENGINEER TO OBTAIN A COPY OF THE SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ISSUES ARE ADDRESSED PRIOR TO PROCEEDING WITH THE PROJECT.

2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

3. THE CONTRACTOR SHALL PREPARE WRITTEN NOTIFICATIONS TO THE CITY OF COLUMBUS AT LEAST 24 HOURS BEFORE THE PERFORMANCE OF ANY WORK WHICH MIGHT RESULT IN THE TRENCHING OF PUBLIC UTILITIES OR THE DISTURBANCE OF ANY EXISTING UTILITY STRUCTURES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL CONSTRUCTED UTILITY TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY INCLUDING ALL POINTS TO THE OPEN BURNING OF SITE-CLEANING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.


6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL SPACING OF THE NEW UTILITY STRUCTURES AS SHOWN ON THE PLANS.

7. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLE EXTENSION STEM MUST BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 4'-0" ABOVE THE FINISH GRADE.

8. THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR MATERIAL AS INSTALLATION OR FILLING OPERATIONS, IN ORDER TO EVALUATE THE NORMAL LOCATIONS OF THE PERMANENT BOX AND CURB STOP SO ITS TERMINUS POINT WILL BE PERMITS.

9. THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR MATERIAL AS INSTALLATION OR FILLING OPERATIONS, IN ORDER TO EVALUATE THE NORMAL LOCATIONS OF THE PERMANENT BOX AND CURB STOP SO ITS TERMINUS POINT WILL BE PERMITS.

10. TACK COAT (CMSC ITEM 407) IS REQUIRED BETWEEN ALL LIFTS OF FLEXIBLE PAVEMENT, FOR ADDITIONAL DETAILS.

11. ALL WATER SERVICE CONNECTIONS SHALL INCLUDE CORPORATION STOPS, SERVICE PIPE, VALVE BOXES, ETC. NO DIRECT TAPS MUST BE MADE TO ANY ASBESTOS MAINS. 1 ½" AND 2" WATER SERVICE TAPS SHALL BE PLACED WITHIN 10 FEET OF ANY PAVING ADJACENT TO EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLE TOP OF CASTINGS SHOULD BE SET AT 1-½" ABOVE FINISHED GRADE.

12. THE CONTRACTOR SHALL HAVE TO HAVE NO SOONER THAN THIRTY (30) DAYS AFTER THE PIPE TRENCH OPENING FOR ADDITIONAL DETAILS.

13. THE CONTRACTOR SHALL HAVE TO HAVE NO SOONER THAN THIRTY (30) DAYS AFTER THE PIPE TRENCH OPENING FOR ADDITIONAL DETAILS.

14. FIRE HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE MUELLER COMPANY "CENTURION" 200, NO A-421, AMERICAN DARLING MARK 73, OR CLOW MEDALLION, FIRE HYDRANTS.

15. STANDARD ELECTRICAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWING WA-4 FOR ADDITIONAL DETAILS.

16. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND SPECIAL CONDITIONS OF THE CITY OF COLUMBUS. NO A-421, AMERICAN DARLING MARK 73, OR CLOW MEDALLION, FIRE HYDRANTS.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.

18. UTILITY TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY INCLUDING ALL POINTS TO THE OPEN BURNING OF SITE-CLEANING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL CONSTRUCTED UTILITY TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY INCLUDING ALL POINTS TO THE OPEN BURNING OF SITE-CLEANING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.

20. THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR MATERIAL AS INSTALLATION OR FILLING OPERATIONS, IN ORDER TO EVALUATE THE NORMAL LOCATIONS OF THE PERMANENT BOX AND CURB STOP SO ITS TERMINUS POINT WILL BE PERMITS.

21. NO DIRECT TAPS MUST BE MADE TO ANY ASBESTOS MAINS. 1 ½" AND 2" WATER SERVICE TAPS SHALL BE PLACED WITHIN 10 FEET OF ANY PAVING ADJACENT TO EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLE TOP OF CASTINGS SHOULD BE SET AT 1-½" ABOVE FINISHED GRADE.

22. THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE DETERMINED PRIOR TO BACKFILLING INSERTION AND EXIT SITES. ADDITIONAL POLY PIG RUNS MAY BE REQUIRED BY THE ENGINEER WHEN WATER PURGED FROM THE MAIN INDICATES THE PRESENCE OF A LIQUID SUBSTANCE IN THE MAIN.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL CONSTRUCTED UTILITY TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY INCLUDING ALL POINTS TO THE OPEN BURNING OF SITE-CLEANING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.

27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.

28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ELECTRICAL SYSTEM LAYOUT AND SUBMITTED CLEARANCE REQUIREMENTS PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR STORMWATER DISCHARGE TO THE RECEIVING WATERS.
1. All sanitary sewer, manholes, and services must be tested. All sanitary sewer must be tested in accordance with the tests specified in the details for proof rolling. The sanitary sewer, manholes, and services shall be tested in accordance with the tests specified in the details for proof rolling.

2. All sanitary manholes shall adhere to ASTM C478 for material specifications, ASTM D3034 for joint specifications, and ASTM D2321 for bedding classifications.

3. OBTAIN JOB MIX FORMULA APPROVAL BY PROVIDING A PREVIOUSLY ODOT APPROVED FORMULA OR CONTRACT AN INDEPENDENT TESTING AGENCY TO PROVIDE TESTING AND WRITTEN APPROVAL OF THE FORMULA. THE AGENCY PERFORMING THE TESTING MUST BE NEUTRAL, AND THEIR RESULTS WILL BE USED TO DETERMINE THE QUALITY OF THE MATERIALS USED.

4. PROVIDE PROPORTIONS REQUIREMENTS FOR PORTLAND CEMENT CONCRETE MIX DESIGN, MIXING, AND CONTROLS PER ODOT ITEM 499. MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED MANUFACTURER'S RECOMMENDATIONS. THE MIX DESIGN IS NOT BASED ON A STRUCTUREPOINT DESIGN, AMERICAN PAVEMENT DESIGN IS COMPLETELY REMOVE CURBING COMPARED PRIOR TO THE APPLICATION OF PAVEMENT MATERIAL.

5. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

6. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

7. ALL SANITARY MANHOLES AND LATERAL SERVICES ARE TO BE MARKED WITH A 4”X4”X10’-0” PRESSURE TREATED WOOD POST WITH 4’-0” PROJECTING ABOVE THE FINISHED GRADE AND WITH THE TOP 1’-0” PAINTED GREEN.

8. PROVIDE 1” SLOPE AT TOP OF CURB TO FACILITATE WATER DRAINAGE ACCORDING TO THE DETAILS.

9. PROVIDE 1” SLOPE AT TOP OF CURB TO FACILITATE WATER DRAINAGE ACCORDING TO THE DETAILS.

10. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST VERIFY EXISTING TIE-IN MANHOLE FLOW LINE AND EXCAVATION HAS BEEN CHOSEN TO IMPROVE SUBGRADE, STOCKPILE OVER EXCAVATED SOILS FOR REUSE AS GENERAL SITE FILL IN LANDSCAPING AREAS.

11. ALL EXPOSED SURFACES OF CONCRETE CURB TO BE FLOATED AND TAILED CONCRETE WALK.

12. PRECISE PLACING REQUIREMENTS FOR PFAULFORD CONCRETE MIX DESIGN, MIXING, AND CONTROLS PER ODOT ITEM 499.

13. PROVIDE PROPORTIONS REQUIREMENTS FOR PORTLAND CEMENT CONCRETE MIX DESIGN, MIXING, AND CONTROLS PER ODOT ITEM 499. MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED MANUFACTURER'S RECOMMENDATIONS.

14. PROVIDE PROPORTIONS REQUIREMENTS FOR PORTLAND CEMENT CONCRETE MIX DESIGN, MIXING, AND CONTROLS PER ODOT ITEM 499. MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED MANUFACTURER'S RECOMMENDATIONS.

15. WHERE THE SANITARY SEWER CROSSES A PROPOSED OR EXISTING PAVEMENT, THE TRENCH SHALL BE IDENTIFIED POTENTIAL UNSUITABLE AND UNSTABLE SUBGRADE AREAS. IN LOCATIONS WHERE PROOF-ROLLING HAS BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEET THEIR SPECIFICATIONS.

16. PRECAST CONCRETE PRODUCTS SHALL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PRODUCTS HAVE BEEN PROOF-ROLLED.

17. THE SANITARY SEWER MEETS OR EXCEEDS CITY OF COLUMBUS DESIGN STANDARDS (INCLUDING PER CAPITA AND CONSTRUCTION DOCUMENTS)

18. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

19. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

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37. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

38. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.

39. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE TESTS SPECIFIED IN THE DRAWING R-9.
1. INSTALL BIKE RACK ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. "U" RACKS TO BE STAINLESS STEEL.
3. PIPE TO BE SURFACE MOUNTED TO CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS.
4. SCREW PATTERN TO BE 6 X 6 X 6 SQUARE.
5. SEE SITE PLAN FOR LOCATION.

### INVERTED U-LIKE BICYCLE RACK

#### TRUNCATED DOME DETECTABLE WARNING

1. DETECTABLE WARNINGS SHALL BE OF THE TRUNCATED DOME TYPE WITH ENGINEERED SPACING.
2. DETECTABLE WARNING AREA SHALL BE 2 FEET REGULARISED ON SECTION WIDTH.
3. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGULARISED ON SECTION WIDTH.
4. DETECTABLE WARNING AREA CAN BE SQUARE SHAPED LINES IN A CURVE RADIUS.
5. DETECTABLE WARNING AREA SHAPE SHALL BE SQUARE, SQUARE OR SQUARE SHAPED OR SQUARE SHAPED WITH PREDEFINED DIRECTION OF TRAVEL TO PREVENT VISIBLE TO WALK BETWEEN DOMES.
6. DETECTABLE WARNING AREA SHALL BE RED IN COLOR IN ALL LOCATIONS.
7. IF NEEDED, ROADWAYS SHALL BE CORRECTED TO MINIMIZE TRIP HAZARDS, AND HIS AREA TO BE USED FOR MAINTENANCE ONLY.

### FIRE DEPARTMENT CONNECTION

#### INVERTED-U SMOOTH JAW JOINT

1. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
2. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
3. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01

### TRUNCATED DOME IDENTIFICATION PLATE

1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. 'U' RACKS TO BE STAINLESS STEEL.
3. SCORE PATTERN TO BE EXACT AND SQUARE.
4. TRUNCATED DOME DETECTABLE WARNING

### TRUNCATED DOME DETECTABLE WARNING

1. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
2. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
3. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01

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1. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
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3. PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01

### TRUNCATED DOME IDENTIFICATION PLATE

1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. 'U' RACKS TO BE STAINLESS STEEL.
3. SCORE PATTERN TO BE EXACT AND SQUARE.
NOTES:
REFER TO SHEET 12 FOR EROSION CONTROL DETAILS

ALL PEDESTRIAN ACCESS ROUTES SHALL NOT EXCEED 2% CROSS SLOPE AND 5% RUNNING SLOPE.
ALL RAMPS SHALL BE 8% OR LESS.

PROPOSED DRIVEWAYS SHALL BE PER CITY OF REYNOLDSBURG STD DWG R-12.

EXISTING SIDEWALK ON THE EAST SIDE OF BRICE ROAD WILL BE CLOSED TO PEDESTRIAN TRAFFIC DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE SIDEWALK CLOSURE SIGNS AND PROVIDE DETOUR FOR PEDESTRIAN TRAFFIC AT NEAREST CROSSWALK NORTH AND SOUTH OF THE SITE.

GRADING LEGEND

PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
FINISHED FLOOR ELEVATION
SPOT ELEVATION
TOP OF CASTING ELEVATION
HIGH POINT ELEVATION
TOP OF CURB ELEVATION
BOTTOM OF CURB ELEVATION
TOP OF WALL ELEVATION
BOTTOM OF WALL ELEVATION
TOP OF CURB RAMP ELEVATION
PER R-10B
SAWCUT & REPLACE TO NEAREST JOINT

SCALE: 1" = 5'
EROSION CONTROL NOTES:

1. ALL EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY SITE UNDERTAKING ANY CONSTRUCTION ACTIVITY (INCLUDING, BUT NOT LIMITED TO MATERIAL STORAGE AREAS, TRAILER AREAS, FUELING AREAS, TRUCK WASH AREAS, EQUIPMENT AREAS, CONCRETE TRUCK WASH, MATERIAL STORAGE, AND TOPSOIL STOCKPILES)

2. SITE ACCESSES SHOWN ON THESE PLANS.

3. REFER TO THE OHIO DIVISION OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT MANUAL" TABLE 2.10.2 FOR ADDITIONAL SUGGESTIVE MAINTENANCE STANDARDS.

4. STRIP AND STOCKPILE TOPSOIL. SEED STOCKPILES. PROVIDE PERIMETER SILT FENCE AT TOE OF STOCKPILE SLOPE.

5. 12" OF SOIL SHALL BE SCARIFIED, AND AREA SHALL BE GRADED TO SUBGRADE WHEN GRADED TO PREVENT EROSION ON THE SITE.

6. TO MINIMIZE EROSION, ALL 3:1 SLOPES OR GREATER SHALL BE COVERED WITH A NON-TARGET AREAS INCLUDING PAVEMENT, PLANT MATERIALS, CURBING, AND STRUCTURES.

7. All projects shall be designed and constructed to accommodate the 100-year or more significant rainfall intensity exceeding the 0.20-inch per hour design intensity that has a return period of 100 years or longer, as described in the RADRA Watershed Management Act, as amended.

8. COMPLETE FINE GRADING OF SEEDED AREAS AND STABILIZE DISTURBED AREAS.

9. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION, AND A TRAINED MAINTENANCE PERSONNEL CAN ALSO BE REMOVED AND DISPOSED OF ACCORDING TO CITY GOVERNING AGENCIES, THROUGHOUT THE DURATION OF CONSTRUCTION.

10. PERIODIC MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

11. EROSION CONTROL ITEMS AND DEVICES SHALL BE REMOVED ONLY AFTER THE AREA HAS BEEN FINISHED GRADED.

12. ACCUMULATION OF ALL SEDIMENT OCCURRING IN STORED BASEMENTS, CISTERNS, LAKES, PONDS, TANKS, OR OTHER STORAGE DEVICES SHALL BE REMOVED ONLY AFTER THE AREA IS READY FOR FINAL SEED AND SOD PLANTING.

13. EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS UNTIL THE TRIBUTARY AREA TO THE CATCH BASIN IS ROUTED TO SEDIMENTATION BASINS OR APPROPRIATE ENERGY DISSIPATERS TO ROUTE FLOW TO ANY AREA OF THE SITE WHICH WILL REMAIN IDLE OVER THE WINTER. THE TEMPORARY SEED TRAP WILL BE RETAINED UNTIL SEASONAL CONDITIONS PROHIBIT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION, SUCH AS MULCHING WITH A TACKIFIER OR MATTING, MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.

14. PLANT MATERIALS CAN ALSO BE REMOVED AND DISPOSED OF ACCORDING TO CITY GOVERNING AGENCIES, THROUGHOUT THE DURATION OF CONSTRUCTION.

EROSION CONTROL PROCEDURES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENTATION AND EROSION CONTROL FEATURES TO PREVENT EROSION ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

2. THE LIMITS OF SEEDING AND MULCHING ARE AS SHOWN WITHIN THE PLAN AS BOUNDARY LINES WITHIN THE Site and extend from the toe of any cut slope or excavations to the top of any fill slope or embankment. Buffered areas shall extend a minimum of 10 feet horizontally from the edge of any cut slope or excavations and from the edge of any fill slope or embankment.

3. IF SEASONAL CONDITIONS PREVENT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION, SUCH AS MULCHING WITH A TACKIFIER OR MATTING, MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.
1. ACTUAL LAYOUT DETERMINED IN THE FIELD, BY CONTRACTOR.

2. STAND GRADE ON END. PLACE DANDY BAG OVER DANDY BAG WITH BROOM.

3. WHERE THE FILTER SOCK IS DAMAGED, DETERIORATED, OR FAILS, IT SHALL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.

4. GEOTEXTILE - A GEOTEXTILE SHALL BE LAYED OVER THE ENTIRE AREA PRIOR TO PLACING CONCRETE.

5. CONSTRUCT CHECK DAM SUCH THAT THE CENTER IS 6" LOWER THAN THE OUTER EDGES.

6. PARTICULAR CONSTRUCTION SHALL AFFORD THE ENTRANCE 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED.

8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE AND EROSION CONTROL SYSTEMS PROVIDED TO PREVENT TRACKING OR PREVENT FLOWING SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.

11. WHEN WASHING IS REQUIRED, IT SHALL BE ON AN AREA STABILIZED WITH STONE AND APPROVED EQUAL.

E. CONSTRUCTION ENTRANCE

F. SEDIMENT TRAP

G. DEWATERING FILTER BAG

**THE AMOUNT OF DISCHARGE WATER A BAG CAN EFFECTIVELY HANDLE DEPENDS ON THE FILTER SIZE MAX PUMPING RATE**

- **15' x 15' 1500 GPM**
- **15' x 30' 3000 GPM**
- **20' x 30' 6000 GPM**

1. THE CONSTRUCTION ENTRANCE SHALL BE MARKED AS SUCH AS TO FACILITATE AND NOT OBSTRUCT SEEDING.

2. ROUTINELY INSPECT FILTER SOCKS AFTER A RUNOFF EVENT, MAINTAINING FUNCTIONALITY AT 12" MIN. SECTION.

3. FILTER Socks SHALL BE LAID ON A LEVEL LINE ACROSS SLOPES.

4. FILTER SOCKS INTENDED TO BE PERMANENT SHALL BE SEEDED AT TIME OF INSTALLATION.

5. FILTER BAGS SHALL BE REPLACED WHEN THE BAG IS HALF FULL.

6. TEMPEL, THE CONSTRUCTION ENTRANCE SHALL BE MARKED AS SUCH AS TO FACILITATE AND NOT OBSTRUCT SEEDING.

7. FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES.

8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE AND EROSION CONTROL SYSTEMS PROVIDED TO PREVENT TRACKING OR PREVENT FLOWING SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.

9. PARTICULAR CONSTRUCTION SHALL AFFORD THE ENTRANCE 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

10. WHEN WASHING IS REQUIRED, IT SHALL BE ON AN AREA STABILIZED WITH STONE AND APPROVED EQUAL.

11. CONSTRUCT CHECK DAM SUCH THAT THE CENTER IS 6" LOWER THAN THE OUTER EDGES.

12. FILTER BAG SHALL BE REPLACED WHEN THE BAG IS HALF FULL.

13. FILTER SOCKS INTENDED TO BE PERMANENT SHALL BE SEEDED AT TIME OF INSTALLATION.

14. FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES.

15. FILTER BAGS SHALL BE REPLACED WHEN THE BAG IS HALF FULL.
FIT-UP OF FILLET WELDS:
- BACKING TYPE AND FIT
- TACKING (TACK WELD QUALITY AND SURFACES)
- DIMENSIONS (ALIGNMENT, ROOT FIT-UP)

FIT-UP OF GROOVE WELDS (INCLUDING TYPE/GRADE - X

DOCUMENTS VERIFY MEMBER LOCATIONS, BRACES, GRADE, TYPE, LENGTH, EMBEDMENT.

VERIFICATION AND INSPECTION TASK CONTINUOUS PERIODIC REFERENCES INSPECTION TASKS PRIOR TO WELDING OF STRUCTURAL STEEL

SUBMITTAL AISC 360-10 1705.2

FREQUENCY OF INSPECTION REFERENCE FOR CRITERIA

PART 1: SCHEDULE OF SPECIAL INSPECTIONS

TABLE N5.4-1 (AISC 360-10, PER 1705.2.1)

REMARKS

- FABRICATOR'S NDT REPORTS WHEN REQUIRED BY AISC 360, APPX 3,
- WELDED JOINTS SUBJECT TO FATIGUE OTHER NDT:
  THERMALLY CUT SURFACES OF ACCESS HOLE NDT:
  THICK OR GREATER (RISK CATEGORY II
  - UT TESTING ON 10% OF BUTT, T- &

WELDING TECHNIQUES:
- PRECIPITATION AND TEMPERATURE CONDITION AND HOLE PREPARATION, IF
- CRATER CROSS SECTION
- WELD/BASE-METAL FUSION
- POROSITY
- UNDERCUT

CONDITION, PLACED IN ALL HOLES AND WELDS MEET VISUAL ACCEPTANCE USED OBSERVED AND DOCUMENTED FOR TESTING BY INSTALLATION PERSONNEL

PRE-INSTALLATION VERIFICATION SPECIFIED, MEET APPLICABLE

ENVIRONMENTAL CONDITIONS:
- WIND SPEED WITHIN LIMITS
- HVAC WITHIN LIMITS
- ENVIRONMENTAL CONDITIONS
- WEATHER (TEMPERATURE ABOVE 90°F)
- WEATHER (TEMPERATURE BELOW 40°F) OR HOT

APPROVED TRUSS SUBMITTAL AND MANUFACTURER'S
- SIZE AND LOCATION OF UNITS AND CONSTRUCTION OF
- PRESERVATIVE TREATED LUMBER
- JOISTS AND JOIST GIRDERS ARE IN CONFORMANCE WITH APPROVED
- AND/OR PRISMS
- BEAR WALLS

JOINT DETAIL (GRADE, TYPE, BOLT
- FABRICATOR'S NDT REPORTS WHEN REQUIRED BY AISC 360, APPX 3,
- WELDED JOINTS SUBJECT TO FATIGUE OTHER NDT:
  THERMALLY CUT SURFACES OF ACCESS HOLE NDT:
  THICK OR GREATER (RISK CATEGORY II
  - UT TESTING ON 10% OF BUTT, T- &

WELDING TECHNIQUES:
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### SHEAR STUD RAIL SCHEDULE

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<th># of Studs/Rail</th>
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<th>Layout Type</th>
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</table>

### SHEAR STUD RAIL LAYOUT TYPES

**Type 1**
- SHEAR STUD RAIL
- CONC COLUMN
- HEADED SHEAR STUD, TYP
- TYPE 1
- T/SLAB

**Type 2**
- SHEAR STUD RAIL
- CONC COLUMN
- HEADED SHEAR STUD, TYP
- TYPE 2
- EDGE OF SLAB
- T/SLAB

### EMBED PLATE TYPES

**E1**
- EMBED PLATE 3/4X12x1'-0"
- (6) 3/4"Øx6" HEADED STUDS

**E2**
- EMBED PLATE 3/4X12x1'-0"
- (6) 3/4"Øx6" HEADED STUDS

**E3**
- EMBED PLATE 3/4X12x1'-0"
- (6) 3/4"Øx6" HEADED STUDS

**E4**
- EMBED PLATE 3/4X12x1'-0"
- (6) 3/4"Øx6" HEADED STUDS
1. Pressures shown on plan are allowable net uplift pressures taken from the following load combinations: 0.6D + 0.6W.
SECOND FLOOR POST-TENSIONED SLAB PLAN

1. Designated grid: Grid lines are intended to be used on the references, column schedules and PT tendon schedules. Grid lines are not structural elements.
2. Reference: Structural drawings are intended to be used for structural analyses and calculations.
3. Column: Columns are shown for reference only. Actual column sizes and locations may vary.
4. Slab: Slabs are shown for reference only. Actual slab sizes and locations may vary.
5. Tendon: Tendons are shown for reference only. Actual tendon sizes and locations may vary.
6. Anchor: Anchors are shown for reference only. Actual anchor sizes and locations may vary.
7. Joint: Joints are shown for reference only. Actual joint sizes and locations may vary.
8. Edge: Edges are shown for reference only. Actual edge sizes and locations may vary.
9. Opening: Openings are shown for reference only. Actual opening sizes and locations may vary.
10. Reinforcing: Reinforcing is shown for reference only. Actual reinforcing sizes and locations may vary.

REFERENCES: GENERAL STRUCTURAL NOTES

CONDUIT PLANS PRIOR TO PLACING CONCRETE.

PLACE AT OR AS CLOSE TO MID SUBMIT CONSTRUCTION JOINTS IN PT SLAB FOR REVIEW PRIOR TO PLACEMENT OF ELEVATED SLAB. SEE SECTION .

SEE SHEET S210 FOR TYPICAL PT SLAB SECTIONS AND DETAILS.

SEE SHEET S102A FOR EDGE OF SLAB DIMENSIONS.

MINIMUM OF (2) TENDONS IN EACH DIRECTION MUST PASS DIRECTLY OVER EACH SUPPORT.

SLAB BOTTOM BAR AND BOTTOM P.T. DUCT COVER TOP OF FINISHED FLOOR 114'
SAWED JOINT - CUT WITHIN 8 HRS OF SLAB POUR AND FILL w/ JT FILLER

CUT EVERY OTHER WIRE OF WWR @ JOINT

1 19/64" T/4 4" T

SEE PLAN

1. PROVIDE TOOLED JOINTS IN FRESH CONCRETE EACH SIDE OF WALLS WHERE SLABS POUR THRU DOORWAYS.

2. PROVIDE A #4 BARx3'-0" AT MID-DEPTH OF THE SLAB PERPENDICULAR TO JOINTS THAT TERMINATE AT A PARTICULAR JOINT.

2" T/3 (2" MIN)

1/8" 6" MIN

3/4" T

SAWED JOINT - CUT WITHIN 8 HRS OF SLAB POUR AND FILL w/ JT FILLER

2" T/3 (2" MIN)

2" 2" 2" T

SEE PLAN

1'-0" 6" 6" 1'-0"

KEY FORMED w/ BEVELED 1x2 OR MTL KEY FORM w/ CL @ MID-DEPTH

STOP ALL REINF AT JOINT

PAINT w/ BOND BREAKER BEFORE PLAC'G ADJ SLAB

MATCH FTG DEPTH OR 12" MAX

PLAN INDICATION BARS TO MATCH FOOTING STEEL

NOTE: FOOTING STEP MAY BE SCALLED WHERE NOT DIM ON PLAN

(2) #4 CONT

4" 4"

T/SLAB

4"

SEE PLAN

STAIR STRINGER BY SUPPLIER

ATTACHMENT BY SUPPLIER

CONT WWR

8" 8"

T/SLAB

4"

SEE PLAN

VERIFY RECESS FOR SILL w/ ELEVATOR CONTRACTOR

2" L4X4X3/8 PROVIDED & PLACED BY ELEVATOR CONTRACTOR

ANCHORAGE BY ELEVATOR CONTRACTOR

MATCH SHEAR WALL REINF

NOTE: BRACE ELEV PIT WALLS AS REQ'D UNTIL ADJACENT FLOOR SLAB IS IN PLACE

DWLS w/ STD HK TO MATCH VERT REINF

ROUGHEN SURFACE TO 1/4" T/MAT SLAB

WATERSTOP REINF PER SCHED

NOTE: SECTION 6 & 7/S200 CAN BE USED AT THE CONTRACTOR'S OPTION
(3) #3 TIES @ 3"

PT TENDON

3/4" CLR

1 1/2" CLR

MINIMUM (2) TENDONS SHALL PASS WITHIN COLUMN VERTICAL STL, EACH WAY

MINIMUM (2) TENDONS SHALL PASS WITHIN COLUMN VERTICAL STL, EACH WAY

1 1/2" CLR @ INTERIOR COLS

2" CLR @ EXTERIOR COLS

CONC COLUMN REINF PER SCHEDULE

3/4" CLR

PT SLAB

MIN, CLR

PT TENDONS, IF SWEEP EXCEEDS 2'-0", SEE FOR ADDITIONAL REQ'S

OPENING, COORDINATE w/ MECH & ARCH REQ'S

SEE GENERAL NOTES FOR BAR REQ'S @ RE-ENTRANT SLAB EDGES

HOOK ENDS OF REBAR WHERE INTERRUPTED BY OPENING PROVIDE ADD'L BARS EA SIDE OF OPNG TO MATCH THE NUMBER & SIZE OF BARS INTERRUPTED BY THE OPNG.

EXTEND CLASS B TENSION LAP SPLICE BEYOND OPNG ON ALL SIDES. ADD (2) #5 T&B MIN @ ALL OPENINGS.

CONSTRUCTION JOINT w/ INTERMEDIATE STRESSING HEAD. LOCATE THE JOINT AT THE POINT AT WHICH THE TENDON PROFILE SHOWN ON PLAN IS AT THE MID-DEPTH OF THE SLAB. THE TENDON PROFILE SHOWN ON PLAN SHOULD NOT BE ALTERED BY THE PLACEMENT OF THE INTERMEDIATE STRESSING HEAD.

REINFORCEMENT BY PT CONTRACTOR

NOTE:

PROPOSED CJ LOCATIONS MUST BE APPORVED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO PLACEMENT OF PT SLAB