

CIVIL ENGINEERING

CHALLENGER PALLETS

LOCATION:
APPROX. 2150 N 1175 W
NORTH OGDEN, UT



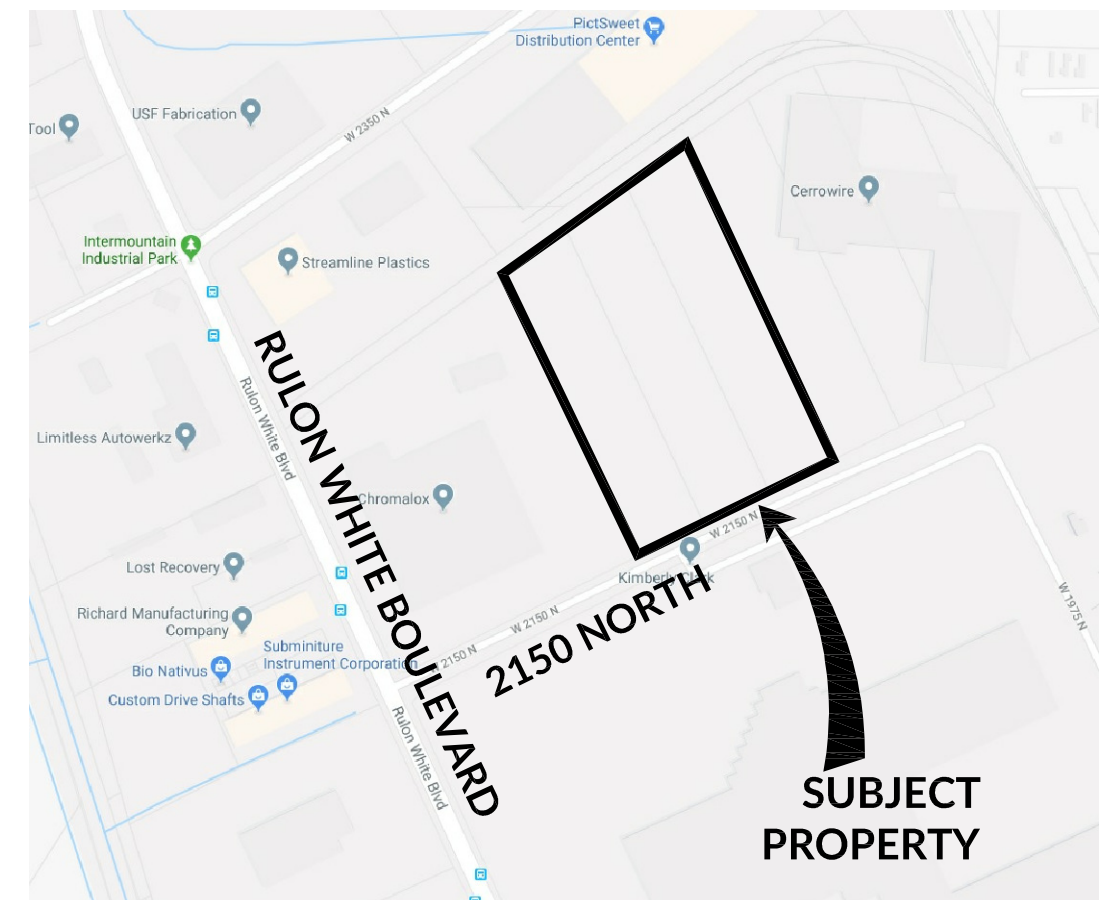
SILVERPEAK ENGINEERING



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REVISIONS:
 DATE: 07/11/2019
 PROJECT: 19-048
 DRAWN BY: CGR
 CHECKED BY: JRU

VICINITY MAP



UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND / OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

TRAFFIC CONTROL & SAFETY NOTES

1. BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT STATE OF UTAH DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES, THE CURRENT OGDEN CITY STANDARD DRAWING, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK.
2. NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM THE CITY TRAFFIC ENGINEER, EXCEPT WHEN DIRECTED BY LAW ENFORCEMENT OR FIRE OFFICIALS.
3. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL PROPERTIES ADJACENT TO THE WORK.
4. ALL SIGNAGE AND TRAFFIC DEVICES TO BE USED DURING AND AFTER THE CONSTRUCTION PERIOD SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
5. DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, REQUIRE THE INSTALLATION OF TEMPORARY STREET STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE CITY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE WORK TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
7. TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL TIMES.

DEFERRED SUBMITTAL

1. FIRE SPRINKLER DRAWINGS & FIRE ALARM DRAWINGS WILL BE PROVIDED PRIOR TO INSTALLATION.

GENERAL NOTES

- 1) ALL WORK WITHIN THE RIGHT OF WAY OWNER'S RIGHT OF WAY SHALL CONFORM TO THE RIGHT OF WAY OWNER'S STANDARDS & SPECIFICATIONS.
- 2) ALL WORK PERFORMED ON OGDEN CITY OWNED UTILITIES & CONNECTIONS THERETO SHALL CONFORM TO THE PROVO STANDARDS & SPECIFICATIONS. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY OGDEN CITY STANDARDS AND DETAILS.
- 3) THESE PLANS CALL FOR BUT ARE NOT DESIGN DRAWINGS FOR THE RELOCATION, AND/OR REMOVAL OF EXISTING DRY UTILITIES INFRASTRUCTURE. DESIGN DRAWINGS FOR SAID RELOCATIONS AND REMOVALS SHALL BE BY OTHERS.
- 4) CALL BLUESTAKES 48 HOURS PRIOR TO DIGGING.
- 5) CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING MANHOLES AND OTHER UTILITIES BEFORE BUILDING OR STAKING ANY UTILITY LINES.

PERMISSION TO USE PLANS

ALL DESIGN INFORMATION DEPICTED IN THESE, THE "C" OR CIVIL DRAWINGS IS PROPRIETARY AND THE SOLE PROPERTY OF SILVERPEAK ENGINEERING, INC. THESE DRAWINGS MAY BE USED ONLY BY AUTHORIZATION BY SILVERPEAK ENGINEERING INC. THIS DESIGN IN PART OR IN TOTAL BY NOT BE USED OR DUPLICATED FOR ANY OTHER PROJECT OR PURPOSE. NON PAYMENT OR PARTIAL PAYMENT FOR THIS DESIGN AUTOMATICALLY REVOKES THE AUTHORIZATION OF USE.

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GOVERNING AGENCIES

- | | | |
|---|--|---|
| <p>CITY ENGINEER
 WEBER COUNTY
 2380 WASHINGTON BLVD, SUITE #240
 OGDEN, UT 84401
 PH: 801-399-8374</p> | <p>CULINARY WATER
 BONA VISTA WATER
 2020 WEST 1300 NORTH
 FARR WEST, UT 84401
 PH: 801-621-0474</p> | <p>FIRE DEPARTMENT
 WEBER COUNTY FIRE DEPARTMENT
 2023 WEST 1300 NORTH
 OGDEN, UT 84401
 PH: 801-782-3580</p> |
| <p>STORM DRAIN
 WEBER COUNTY
 133 W 29TH STREET
 OGDEN, UT 84401
 PH: 801-629-8321</p> | <p>SEWER
 WEBER COUNTY
 133 W 29TH STREET
 OGDEN, UT 84401
 PH: 801-629-8321</p> | <p>NATURAL GAS
 DOMINION ENERGY
 1140 200 S.
 SALT LAKE CITY, UT 84104
 PH: 801-324-5111</p> |
| <p>SECONDARY WATER
 BONA VISTA WATER SYSTEMS
 471 WEST 2ND STREET
 OGDEN, UT 84404
 PH: 801-621-6555</p> | <p>POWER
 ROCKY MOUNTAIN POWER
 201 SOUTH MAIN ST., SUITE 2300
 SALT LAKE CITY, UT 84111
 ATTN: CURTIS GALVEZ
 PH: 801-629-3479</p> | <p>TELEPHONE
 CENTURYLINK TELEPHONE
 1425 WEST 3100 SOUTH
 SALT LAKE CITY, UT 84119
 ATTN: GARY WEAVER
 PH: 801-629-5380</p> |



CHALLENGER PALLETS, APPROX. 2150 N 1175 W , NORTH OGDEN, UT

SHEET NUMBER:
C001
 COVER

GENERAL NOTES

CONTRACTOR SHALL OBTAIN A COPY OF, AND STRICTLY ADHERE TO THE CURRENT STANDARDS AND SPECIFICATIONS OF ALL APPLICABLE AGENCIES.

ALL WORK TO CONFORM TO WEBER COUNTY'S STANDARDS, DRAWINGS AND SPECIFICATIONS. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY WEBER COUNTY STANDARDS AND DETAILS.

CONTRACTOR TO NOTIFY WEBER COUNTY'S AND SILVERPEAK ENGINEERING 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRED FOR THIS PROJECT.

NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFOREHAND.

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.

CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE CITY OR COUNTY REGULATIONS FOR WORKING IN THE PUBLIC WAY.

CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCIES STANDARDS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING.

THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.

TRAFFIC CONTROL TO CONFORM TO THE CURRENT MUTCD AND UDOT STANDARDS.

THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST. PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

CONTRACTORS MUST START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UP HILL. FAILURE TO COMPLY WITH THIS NOTE SHALL RELEASE THE CIVIL ENGINEER OF ALL LIABILITY.

CONTRACTOR SHALL LAYOUT AND POT HOLE FOR ALL POTENTIAL CONFLICTS WITH UTILITY LINES ON OR OFF SITE AS REQUIRED PRIOR TO ANY CONSTRUCTION.

NO ALLOWANCE SHALL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFOREHAND.

GEOTECHNICAL NOTES

- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 96% STANDARD PROCTOR DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUB GRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
- THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.

UNDERGROUND INFORMATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS BASED ON INFORMATION GATHERED FROM UTILITIES AND/OR FROM ABOVE-GROUND STRUCTURES OR EVIDENCE FOUND AT THE TIME OF SURVEY. AS SUCH, THE UNDERGROUND INFORMATION IS A BEST ESTIMATE. SILVER PEAK DOES NOT REPRESENT OR GUARANTEE THAT THE UNDERGROUND INFORMATION PROVIDED IS CORRECT OR UP TO DATE.

IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. CALL BLUESTAKES A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY DIGGING OR UTILITY WORK.

NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

UTILITY NOTES

CONTRACTOR SHALL OBTAIN A COPY OF, AND STRICTLY ADHERE TO THE CURRENT STANDARDS AND SPECIFICATIONS OF WEBER COUNTY. CONTRACTOR IS TO OBTAIN ANY REQUIRED PERMITS AND NOTIFY THE UTILITY OWNER AND SILVER PEAK ENGINEERING PRIOR TO BEGINNING ANY WORK ON WET UTILITIES. CONTRACTOR IS TO COORDINATE DRY UTILITY WORK WITH THE UTILITY OWNERS.

STORM DRAIN
SEE WEBER COUNTY STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE STORM DRAIN & APPURTENANCES WITHIN THE PUBLIC RIGHT-OF-WAY SHOWN ON THIS PLAN. SEE THE DETAILS PROVIDED ON THIS SET OF DRAWINGS FOR ALL OTHER STORM DRAIN CONSTRUCTION. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY WEBER COUNTY STANDARDS AND DETAILS.

LAND DRAIN: NOT USED

SANITARY SEWER
SEE WEBER COUNTY STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE SANITARY SEWER & APPURTENANCES SHOWN ON THIS PLAN.

CULINARY WATER
SEE WEBER COUNTY STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE CULINARY WATER & APPURTENANCES SHOWN ON THIS PLAN.

SECONDARY WATER
SEE BONA VISTA WATER SYSTEMS STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE SECONDARY WATER & APPURTENANCES SHOWN ON THIS PLAN.

DRY UTILITIES
THESE PLANS SHOW THE LOCATION OF POWER, NATURAL GAS, AND COMMUNICATIONS UTILITIES, BUT ARE NOT DESIGN DRAWINGS FOR THE RELOCATION OR REMOVAL OF EXISTING DRY UTILITIES. NOR FOR ANY NEW DRY UTILITY STUBS. CONTRACTOR IS TO SUBMIT SITE PLAN TO DRY UTILITIES FOR DESIGN OF SERVICE CONNECTIONS TO BUILDING. ACTUAL CONSTRUCTION OF SAID SERVICES TO BE DONE BY RESPECTIVE UTILITY PROVIDERS.

CONTRACTOR MUST START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UP HILL. FAILURE TO COMPLY WITH THIS NOTE WILL RELEASE THE CIVIL ENGINEER OF ALL LIABILITY.

THE CONTRACTOR IS TO VERIFY DEPTHS OF UTILITIES IN THE FIELD BY POT HOLES A MINIMUM OF 300 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO POT HOLE UTILITIES THE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER OR ENGINEER.

ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST. PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW PIPE DURING CONSTRUCTION.

ALL THRUST BLOCKS SHALL BE POURED IN PLACE AGAINST UNDISTURBED SOIL AS PER SPECIFICATIONS. ALL VALVES, FITTINGS, AND APPURTENANCES TO BE BLOCKED.

CONTRACTOR TO LOOP NEW WATERLINE AROUND GRAVITY UTILITIES IF CONFLICT DOES OCCUR. (NOTIFY ENGINEER OF THE PROBLEM).

CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.

NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.

APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY WEBER COUNTY STANDARDS AND DEVICES.

DEMOLITION NOTES

- CONTRACTOR TO LEGALLY REMOVE & DISPOSE OF ALL EXTRANEIOUS UTILITIES, STRUCTURES, IMPROVEMENTS & DEBRIS ON THE SITE PRIOR TO CONSTRUCTING THE IMPROVEMENTS SHOWN ON THIS PLAN.
- SAID DEMOLITION MAY INCLUDE, BUT IS NOT LIMITED TO UTILITY SERVICES AS WELL AS ASPHALT, CONCRETE, FENCES, TREES, SHRUBS & OTHER DELETERIOUS MATERIALS ON THE SITE.
- SAID DEMOLITION EXCLUDES UTILITY MAINS UNLESS SPECIFICALLY SHOWN ON THIS PLAN.
- SAID DEMOLITION EXCLUDES PUBLICLY OWNED STREET IMPROVEMENTS UNLESS SPECIFICALLY SHOWN ON THIS PLAN.
- SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
- CONTRACTOR IS TO COORDINATE ALL PERMITS, FEES & INSPECTIONS AS REQUIRED BY ANY AGENCY HAVING JURISDICTION.
- NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ONE APPROACH TO SITE. THE APPROACH SHALL BE DESIGNATED BY THE GENERAL MANAGER.

ABOVE-GROUND IMPROVEMENTS

CONTRACTOR SHALL OBTAIN A COPY OF, AND STRICTLY ADHERE TO THE CURRENT WEBER COUNTY STANDARDS AND SPECIFICATIONS. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY WEBER COUNTY STANDARDS AND DETAILS. CONTRACTOR IS TO OBTAIN ANY REQUIRED PERMITS AND NOTIFY THE STREET OWNER AND SILVER PEAK ENGINEERING PRIOR TO BEGINNING ANY WORK WITHIN SAID STREET.

SITE WORK OUTSIDE OF THE PUBLICLY OWNED RIGHT OF WAY SHALL CONFORM WITH THE NOTES AND DETAILS SHOWN ON THIS SET OF PLANS. CONTRACTOR IS TO NOTIFY THE OWNER AND SILVERPEAK ENGINEERING PRIOR TO BEGINNING SAID WORK.

ALL DIMENSIONS, AND GRADES SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST. PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

ALL EXISTING MANHOLES, WATER VALVES, CLEAN OUTS, ETC., ARE TO BE RAISED OR LOWERED TO GRADE.

ALL NEW VALVES, MANHOLES, ETC. SHALL BE INSTALLED A MINIMUM OF 6" BELOW FINISH GRADE & RAISED TO GRADE AS REQUIRED WITH A MINIMUM 6" CONCRETE RING.

FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION, AND AT EQUAL INTERVALS NOT TO EXCEED 50 FEET. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH, WHICHEVER IS LESS. SCORING WILL BE PLACED TO PREVENT RANDOM CRACKING.

CONCRETE WATERWAYS, CURB WALLS, MOW STRIPS, CURB AND GUTTER, ETC., WILL TYPICALLY BE SCORED (1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED 10 FEET, AND HAVE FULL DEPTH EXPANSION JOINTS THAT EQUAL SPACING NOT TO EXCEED 40 FEET.

UNLESS OTHERWISE NOTED, ALL SLABS-ON-GRADE WILL HAVE A MINIMUM 8" TURNED-DOWN EDGE TO HELP CONTROL FROST HEAVE.

UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACED ON A MINIMUM 4" GRAVEL BASE OVER A WELL COMPACTED (96% STANDARD PROCTOR DENSITY) SUB GRADE.

ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED, OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GREEN".

ALL JOINTS (CONTROL JOINTS, CONSTRUCTION JOINTS, EXPANSION JOINTS, ETC.), WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION).

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS.

ALL EXISTING ASPHALT WILL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.

HANDICAP ACCESSIBILITY: ALL CONSTRUCTION SHALL MEET THE ADA HANDICAP ACCESSIBILITY REQUIREMENTS. FOR ANY DISCREPANCIES BETWEEN THE PLANS AND ADA REQUIREMENTS, ADA REQUIREMENTS WILL GOVERN.

STRIPING WILL BE PER THE PLANS AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. STRIPING TO INCLUDE HANDICAP INSIGNIAS, SIGNS, CROSS-HATCHING, DIRECTION ARROWS, ETC. AS SHOWN OR AS DIRECTED.

NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.

ABBREVIATIONS

NOT ALL ITEMS MAY BE APPLICABLE

∅ DIAMETER
 Δ DELTA
 ° DEGREES
 ' MINUTES, FEET
 " SECONDS, INCHES
 ADA AMERICAN DISABILITIES ACT
 ARCH ARCHITECTURAL
 B&C BAR & CAP
 BL BOUNDARY LINE
 BENCH BENCHMARK
 BND BOUNDARY
 BOK BACK OF WALK
 BRG BEARING
 BVC BEGIN VERTICAL CURVE
 BVCE BEGIN VERTICAL CURVE ELEVATION
 BVCS BEGIN VERTICAL CURVE STATION
 C&G CURB AND GUTTER
 CB CATCH BASIN
 CH CHORD
 CHB CHORD BEARING
 CI CAST IRON
 CL CENTERLINE
 CMP CORRUGATED METAL PIPE
 CO CLEANOUT
 COMBO COMBINATION
 CONC CONCRETE
 CONST CONSTRUCTION
 CUL CULINARY
 CW CULINARY WATER
 CWL CULINARY WATERLINE
 DEMO DEMOLITION
 DI DUCTILE IRON
 DIAM DIAMETER
 DIST DISTANCE
 E EAST
 EG EXISTING GRADE
 EOA EDGE OF ASPHALT
 ELEC ELECTRICAL
 EVC END VERTICAL CURVE
 EVCE END VERTICAL CURVE ELEVATION
 EVCS END VERTICAL CURVE STATION
 EXIST EXISTING
 EXIST EXISTING
 FDC FIRE DEPARTMENT CONNECTION
 FG FINISH GRADE
 FH FIRE HYDRANT
 FL FLOWLINE
 FND FOUND
 FND FOUNDATION
 FTG FOOTING
 GB GRADE BREAK
 GR GRATE
 GV GATE VALVE
 HDPE HIGH-DENSITY POLYETHYLENE PIPE
 HP HIGH POINT
 HPE HIGH POINT ELEVATION
 HPS HIGH POINT STATION
 HWM HIGH WATER MARK
 INV INVERT
 IRR IRRIGATION
 IRRMH IRRIGATION MANHOLE
 K RADIUS OF CURVATURE
 L LENGTH
 LAT LATERAL SERVICE
 LD LAND DRAIN
 LDMH LAND DRAIN MANHOLE
 LG LIP OF GUTTER
 LP LIGHT POLE
 LPE LOW POINT ELEVATION
 LPS LOW POINT STATION
 MEGH MECHANICAL
 MH MANHOLE
 MON MONUMENT
 N NORTH
 NE NORTHEAST
 NR NON-RADIAL
 NW NORTHWEST
 OC ON CENTER
 PL PROPERTY LINE
 PROP PROPERTY
 PUE PUBLIC UTILITY EASEMENT
 PUE&DE PUBLIC UTILITY & DRAINAGE EASEMENT
 PUE&DE PUBLIC UTILITY EASEMENT & DRAINAGE EASEMENT
 PVC POLYVINYLCHLORIDE
 R RADIUS
 RCL ROADWAY CENTERLINE
 RCP REINFORCED CONCRETE PIPE
 S SOUTH
 SD STORM DRAIN
 SDCB STORM DRAIN CATCH BASIN
 SDCO STORM DRAIN CLEANOUT
 SDMH STORM DRAIN MANHOLE
 SE SOUTHEAST
 SEC SECONDARY
 SEC SECTION
 SLEBM SALT LAKE BASE & MERIDIAN
 SPEC SPECIFICATION
 SPECS SPECIFICATIONS
 SPP STEEL PIPE
 SS SANITARY SEWER
 SSCB SANITARY SEWER CLEANOUT
 SSMH SANITARY SEWER MANHOLE
 STD STANDARD
 STDS STANDARDS
 SW SECONDARY WATER
 SW SWATHWEST
 SWL SECONDARY WATERLINE
 TAN TANGENT
 TB THRUST BLOCK
 TBC TOP BACK OF CURB
 TBW TOP BACK OF WALK
 TEL TELEPHONE
 TCM TOP OF CURB/WALL
 TOA TOP OF ASPHALT
 TOC TOP OF CONCRETE
 TOG TOP OF GRATE
 TOW TOP OF WALL
 TYP TYPICAL
 UDOT UTAH DEPARTMENT OF TRANSPORTATION
 U.N.O. UNLESS NOTED OTHERWISE
 UP UTILITY POLE
 UTIL UTILITY
 V VALVE
 VC VERTICAL CURVE
 W WATER
 W WEST
 WL WATERLINE
 WM WATER METER
 WV WATER VALVE
 X CROSS
 X-SECT CROSS-SECTION

SEAL:



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SILVERPEAK
ENGINEERING

CHALLENGER PALLETS
APPROX. 1175 WEST 2150 NORTH
OGDEN, UTAH

DATE: 07/11/19
PROJECT: 19-048
DRAWN BY: C.G.R.

REVISIONS:	

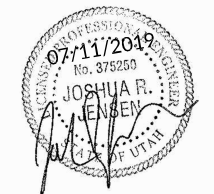
GENERAL NOTES

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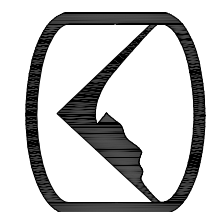
C100



SEAL:



177 E. ANTELOPE DR. STE. B
LAYTON, UT 84041
PHONE: (801) 499-5054



SILVERPEAK
ENGINEERING

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STRUCTURAL CIVIL SURVEY

CHALLENGER PALLETS
APPROX. 1175 WEST 2150 NORTH
OGDEN, UTAH

DATE: 07/11/19
PROJECT: 19-048

DRAWN BY: C.G.R.

REVISIONS:

SITE PLAN

SHEET NUMBER:

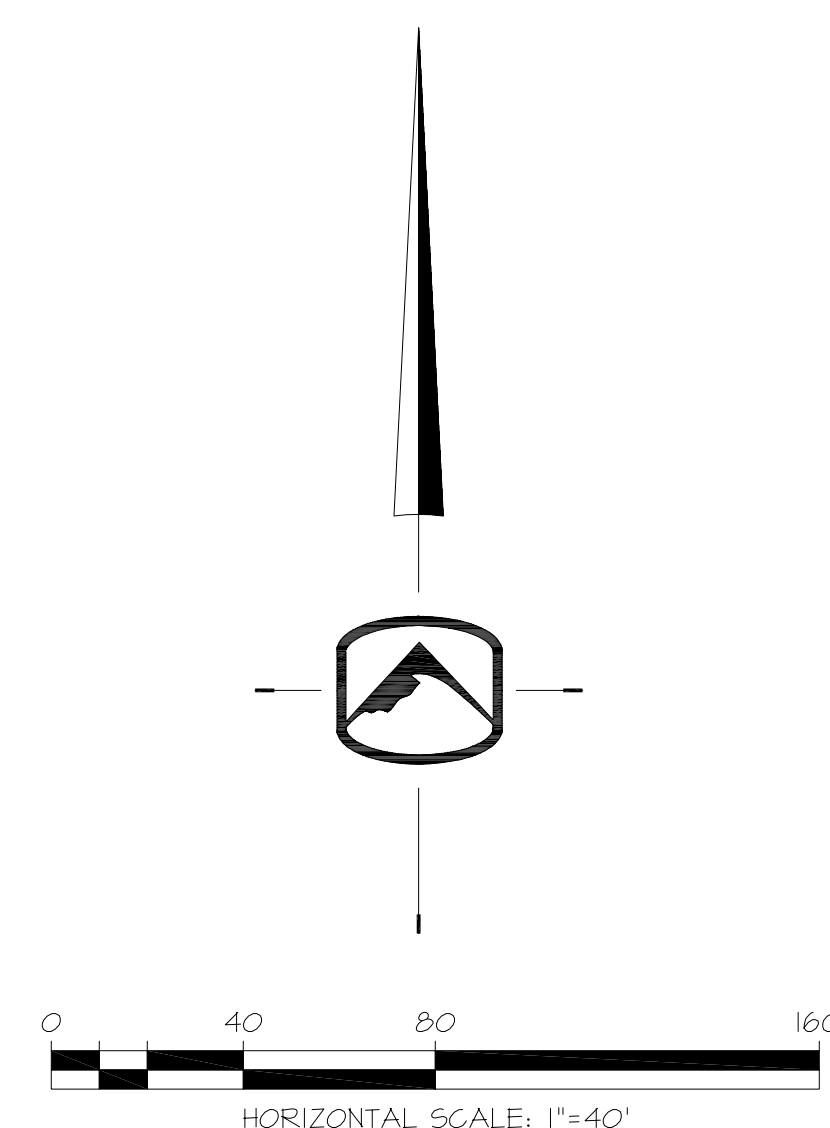
C200



FEMA FLOOD ZONE: X (OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)
PER FEMA MAP PANEL: 44057C0200E
DATED DECEMBER 16, 2005

SITE AREA TABULATION			
HARDSCAPE	281,785 SQ.FT.	6.47 AC.	50.46%
LANDSCAPE	217,520 SQ.FT.	4.99 AC.	38.95%
BUILDING	59,152 SQ.FT.	1.36 AC.	10.59%
TOTAL SITE	558,457 SQ.FT.	12.82 AC.	100.00%
PARKING PROVIDED	17 STALLS		
ADA PARKING REQUIRED/PROVIDED	2 STALLS		

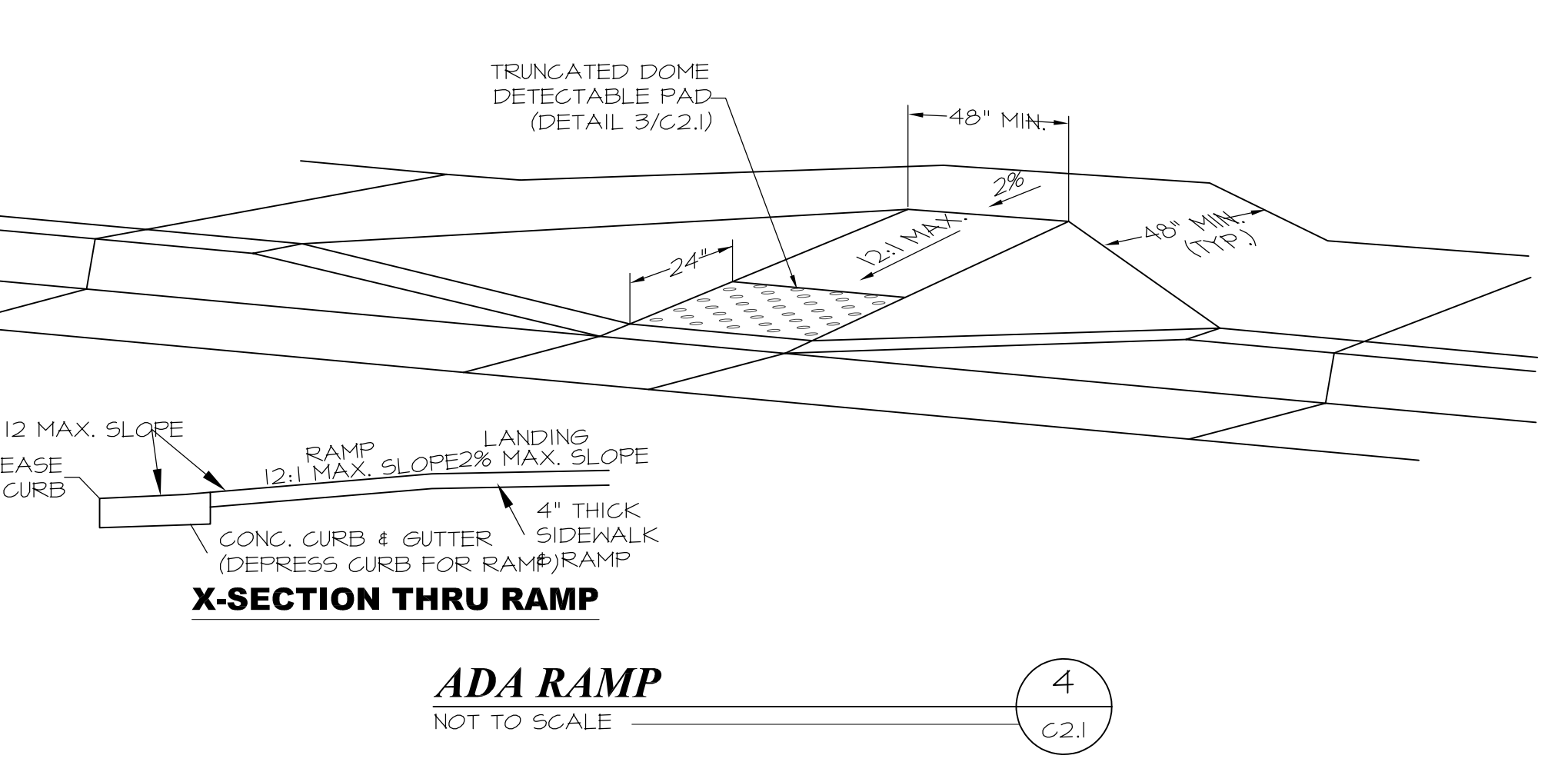
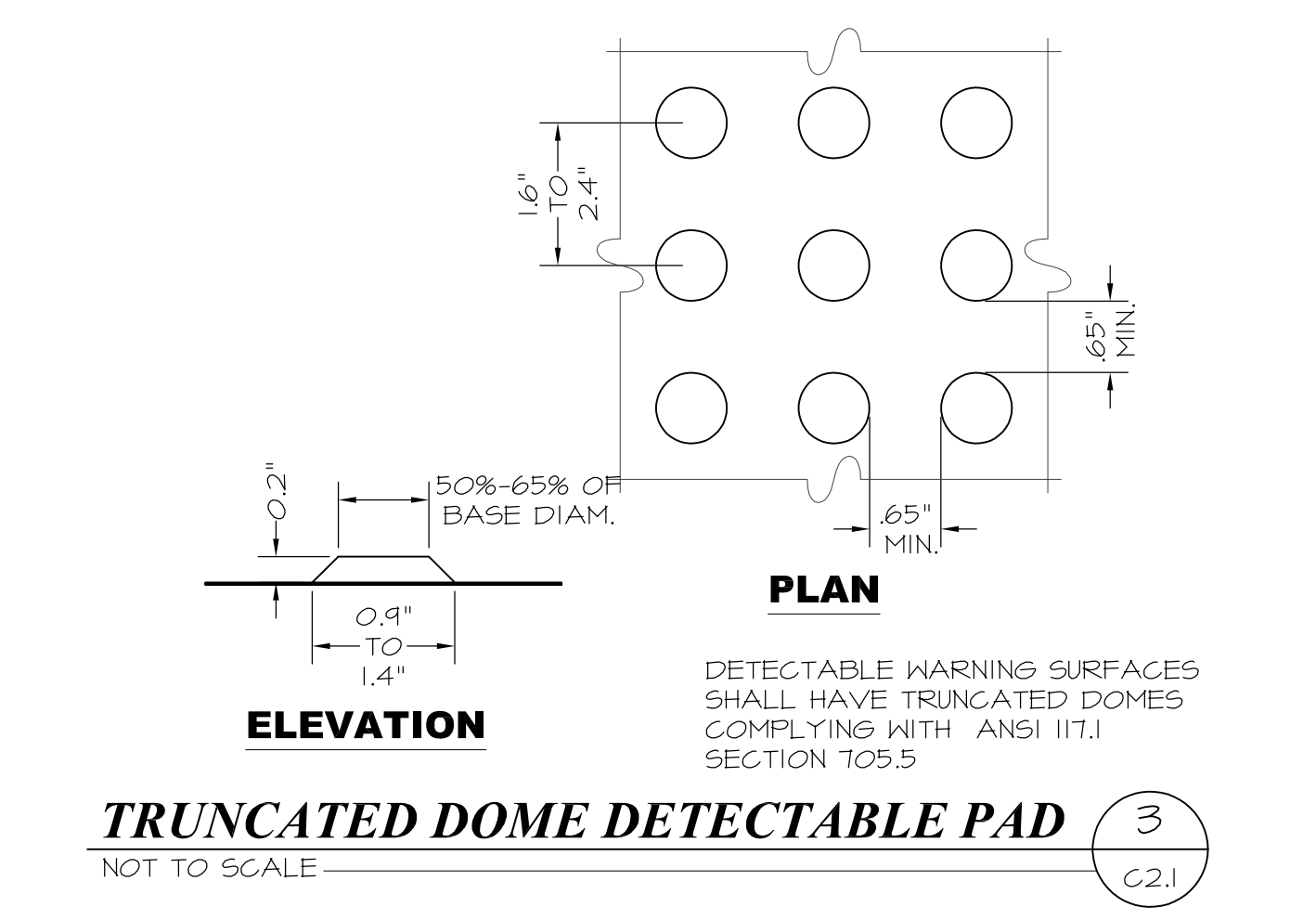
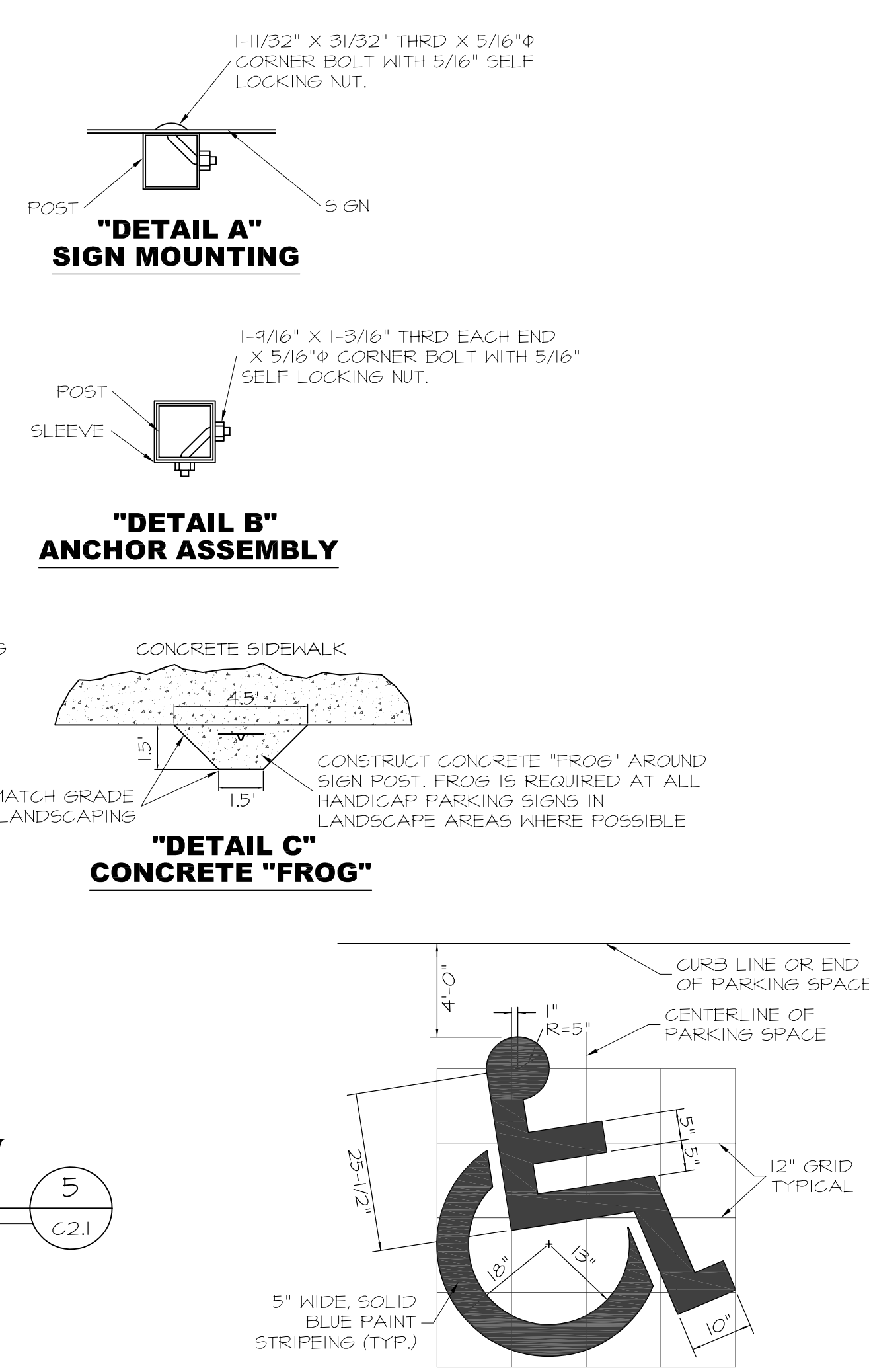
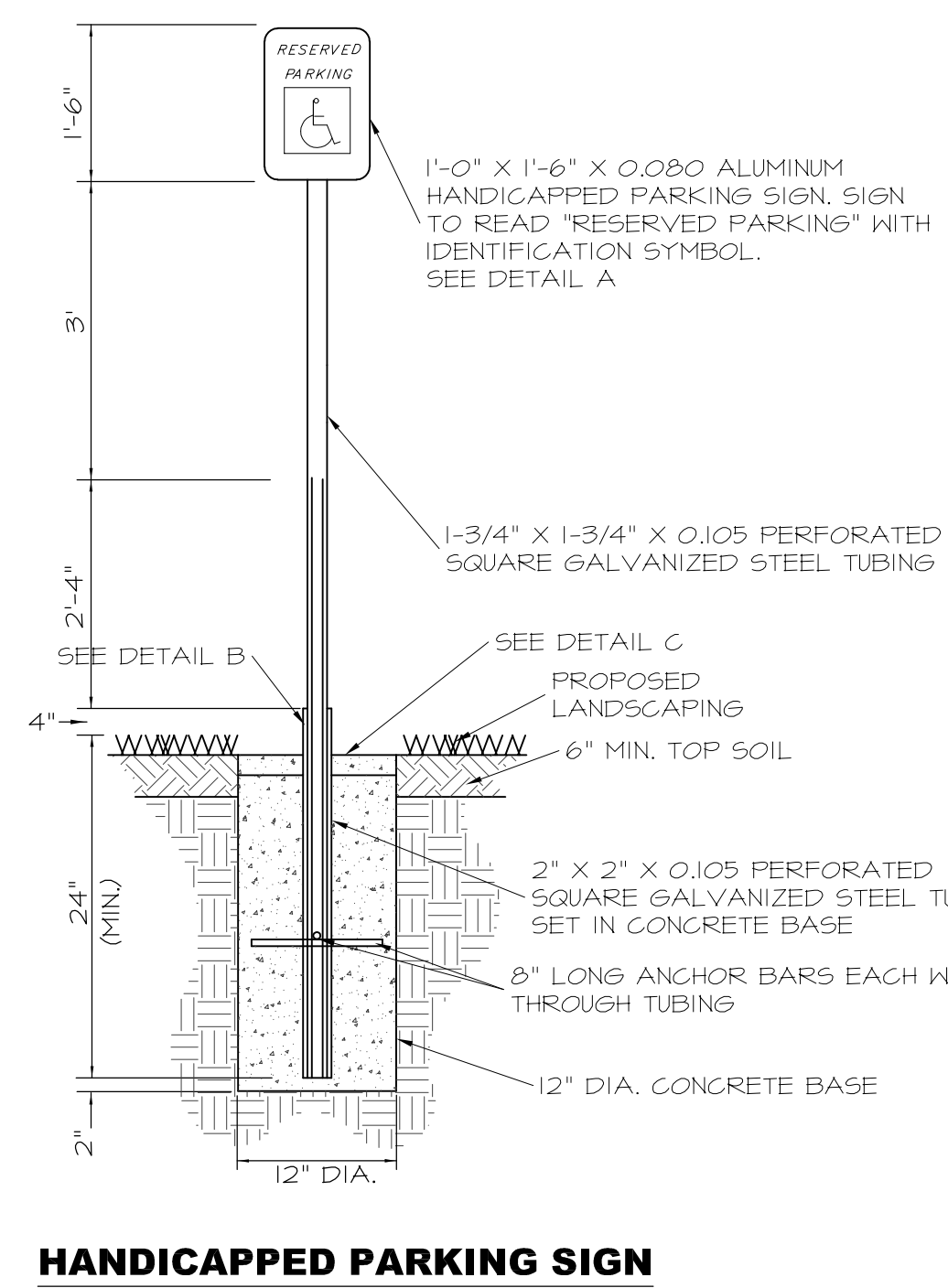
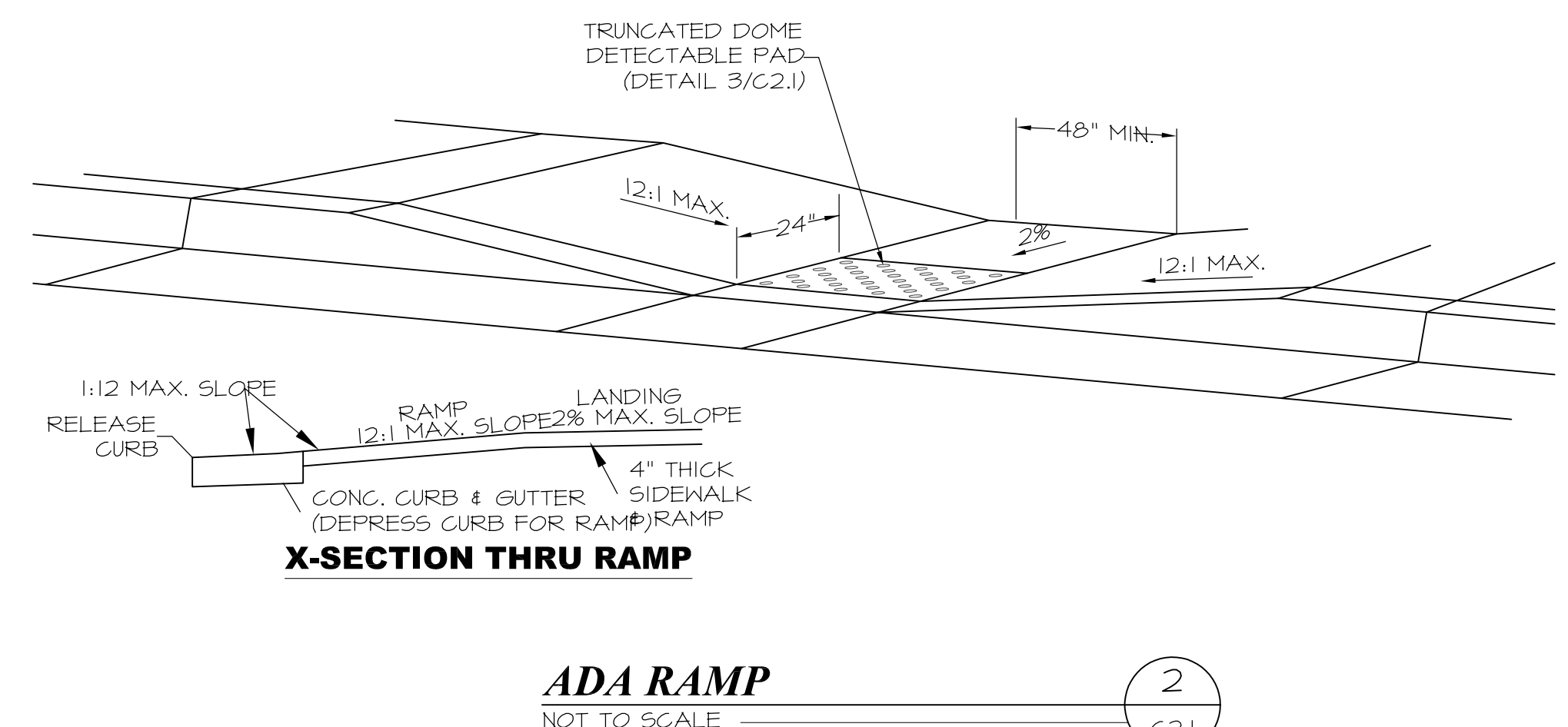
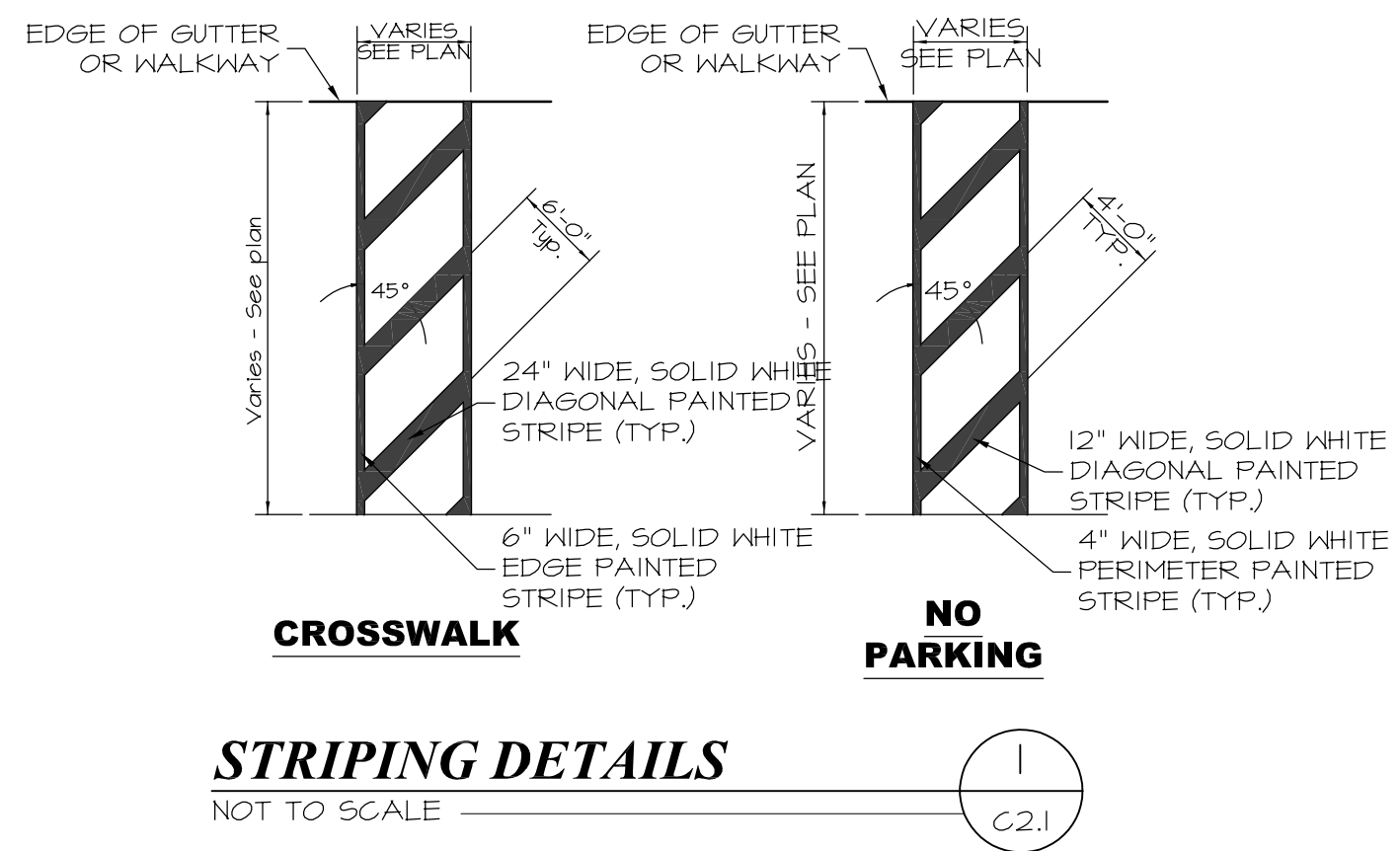
LEGEND	
NOT ALL ITEMS IN THE LEGEND MAY BE APPLICABLE	
---	BOUNDARY LINE
---	CENTERLINE
---	EASEMENT LINE
---	SETBACK LINE
---	EX. IRRIGATION LINE
---	EX. OVERHEAD POWER LINE
---	EX. STORM DRAIN
---	EX. SANITARY SEWER
---	EX. SECONDARY WATERLINE
---	EX. TELEPHONE LINE
---	EX. GAS LINE
---	EX. CULINARY WATERLINE
---	SECTION CORNER
---	MONUMENT
---	CONTROL POINT
---	EG CONTOUR MINOR
---	EG CONTOUR MAJOR
---	EXISTING ASPHALT
---	EXISTING CURB & GUTTER



SITE PLAN

CALL BLUESTAKES
@ 1-800-662-4111
AT LEAST 48 HOURS
PRIOR TO COMMENCING
ANY CONSTRUCTION

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

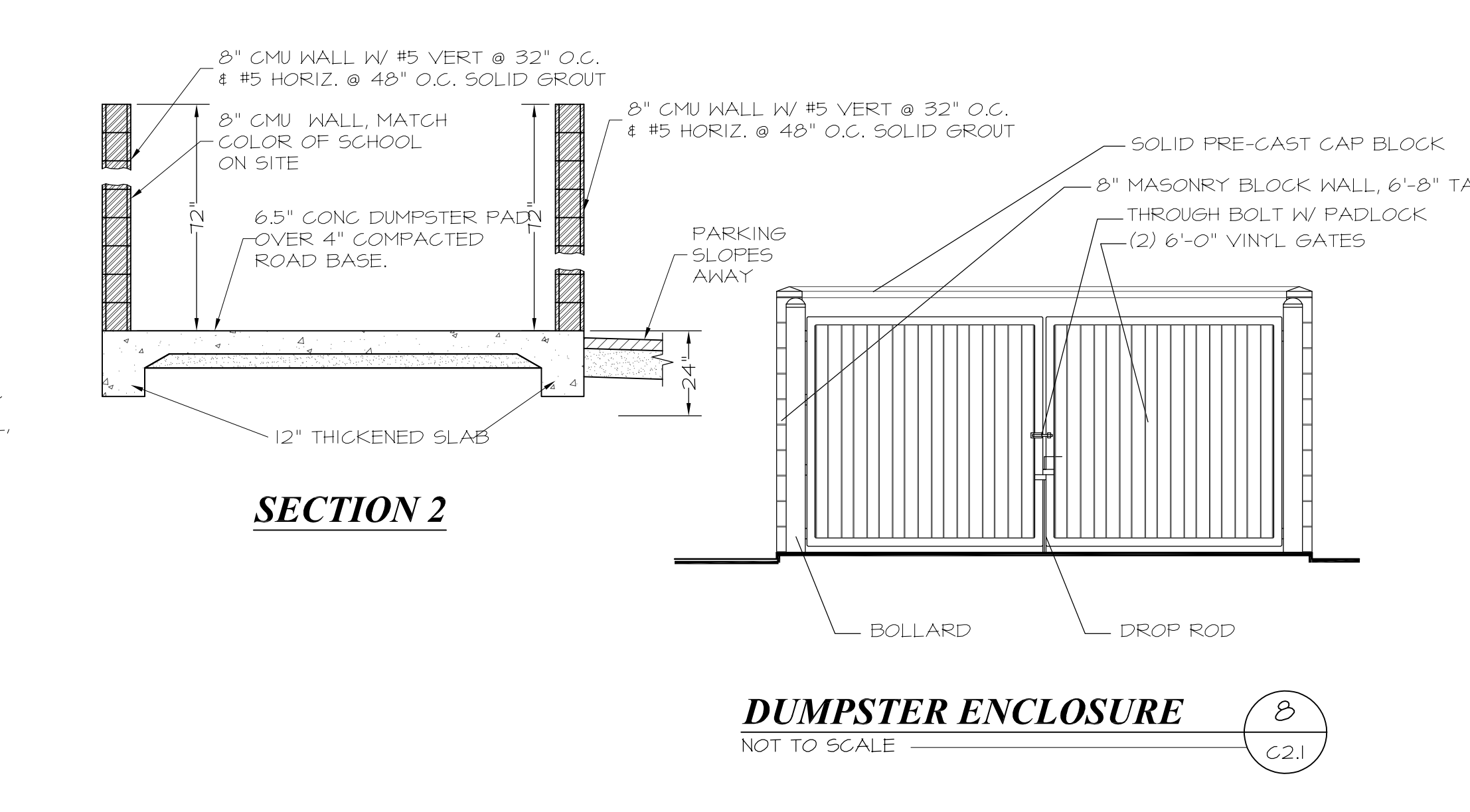
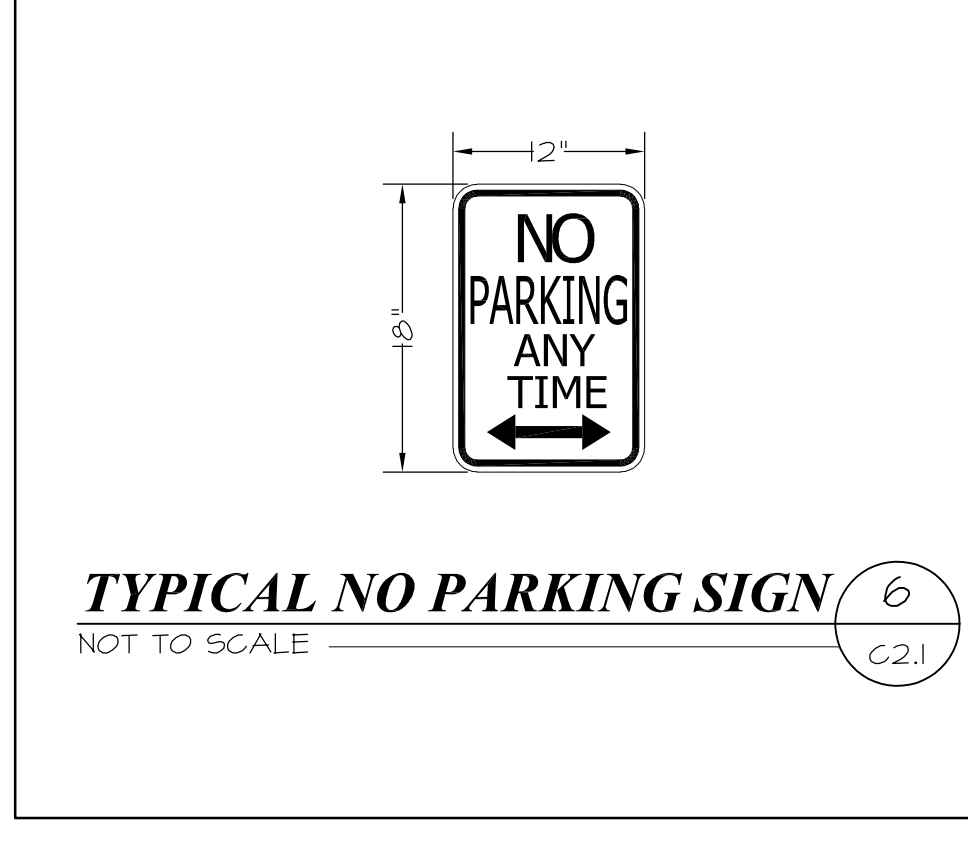
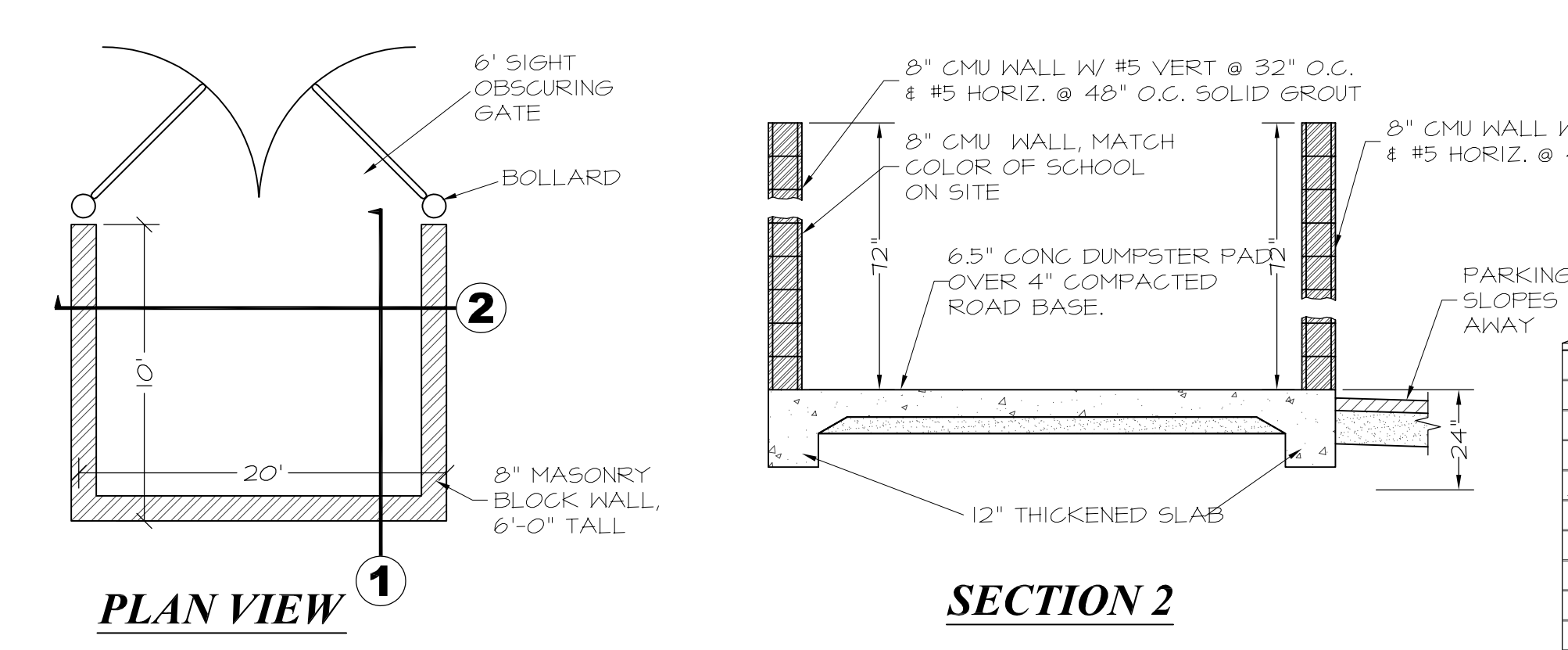
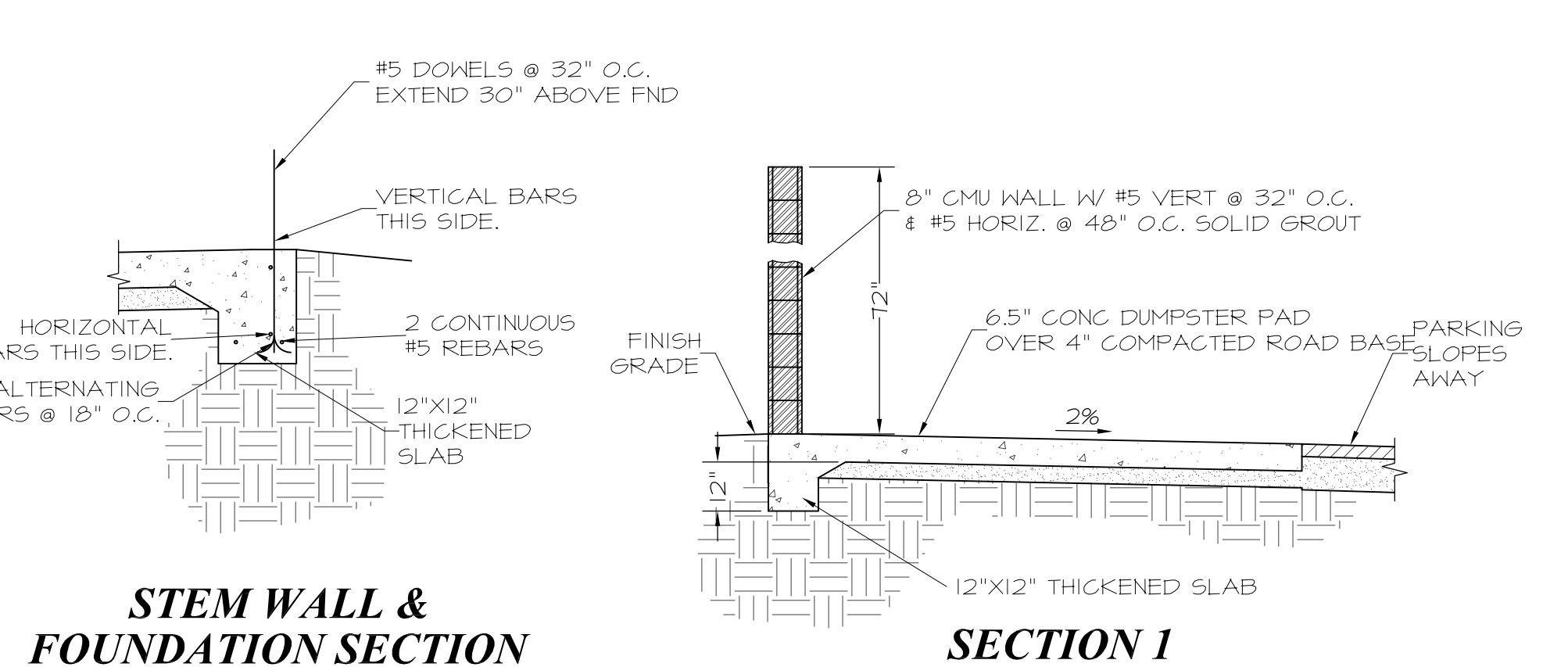
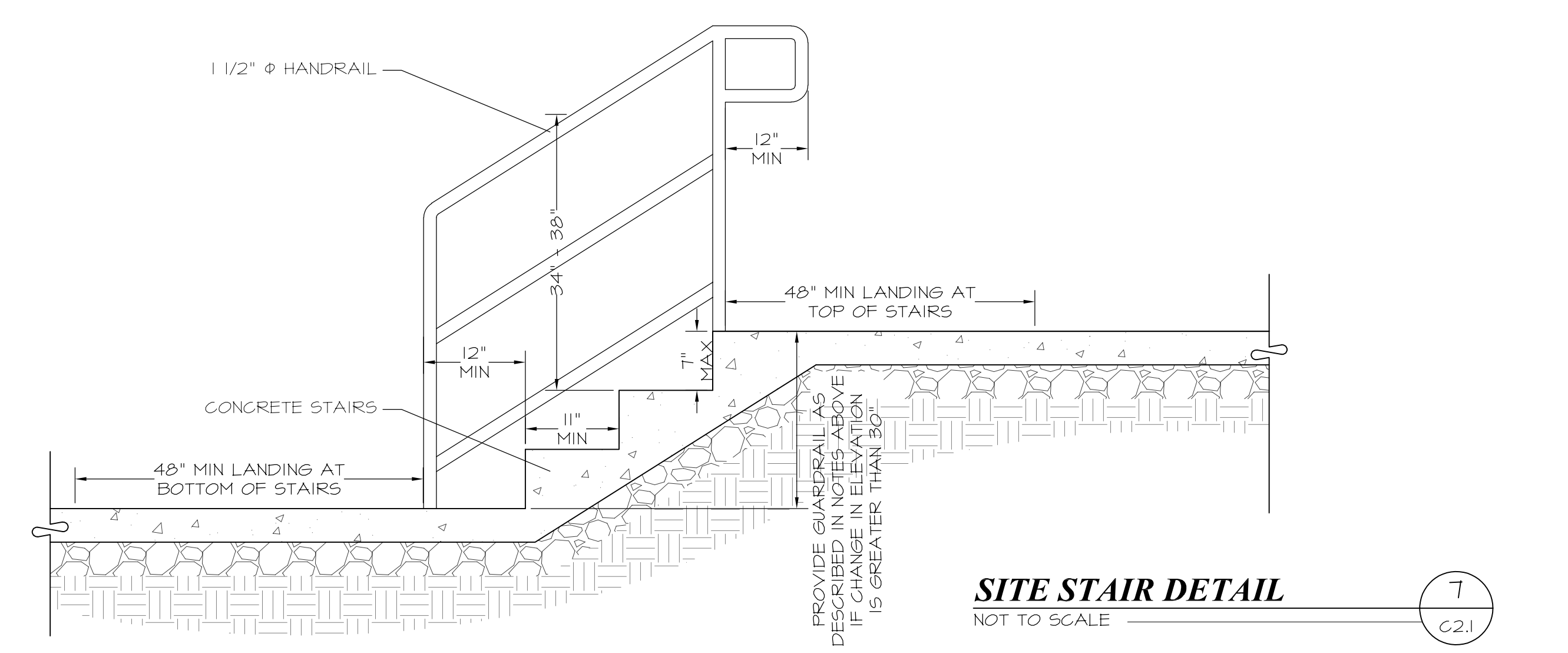


SITE RAMP AND HANDRAIL NOTES:

- ALL RAMP SHALL HAVE A MAXIMUM SLOPE OF 1:12. RAMP WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 1:40 IN ANY DIRECTION PER IBC.
- RAMP SHALL HAVE LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP. RAMP LANDINGS SHALL BE A MINIMUM OF 60" IN LENGTH, AND AT LEAST AS WIDE AS THE RAMP RUN PER IBC.
- THE TOPS OF HANDRAIL SHALL BE PLACED NO LESS THAN 34" AND NO MORE THAN 38" ABOVE THE RAMP. THEY SHALL BE CONTINUOUS THE FULL LENGTH OF THE RAMP AND SHALL BE PROVIDED ON BOTH SIDES OF RAMP PLUS 12" PAST THE RAMP AT THE TOP & BOTTOM OF THE RAMP. ENDS SHOULD RETURN TO WALL, GUARD, OR WALKING SURFACE. THE HAND GRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1 1/4" AND NO MORE THAN 2" IN CROSS-SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. THE HAND GRIP PORTION OF HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. HANDRAIL PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2" BETWEEN THE WALL AND THE HANDRAIL PER IBC.

SITE STAIR AND RAILING NOTES:

- STAIR TREADS TO BE 11" MINIMUM AND RISERS TO BE 7" MAXIMUM.
- THE TOPS OF HANDRAIL SHALL BE PLACED NO LESS THAN 34" AND NO MORE THAN 38" ABOVE THE NOSING OF TREADS. THEY SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS AND SHALL BE PROVIDED ON BOTH SIDES OF STAIRWAY, PLUS 12" PAST THE STAIRS AT THE TOP OF THE STAIRWAY AND 1 RISER LENGTH PAST THE STAIRS AT THE BOTTOM OF THE STAIRWAY. ENDS SHOULD RETURN TO WALL, GUARD, OR WALKING SURFACE OR BE CONT. TO NEXT STAIR. THE HAND GRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1 1/4" AND NO MORE THAN 2" IN CROSS-SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. THE HAND GRIP PORTION OF HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. HANDRAIL PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2" BETWEEN THE WALL AND THE HANDRAIL PER IBC.
- ALL OPEN SIDES OF LANDINGS AND STAIRS, BALCONIES, PORCHES, DECKS, AND UN-ENCLOSED FLOOR AND ROOF OPENINGS USED FOR OTHER THAN SERVICE WHICH ARE MORE THAN 30" ABOVE GRADE SHALL BE PROTECTED BY A GUARDRAIL. GUARDRAILS SHALL NOT BE LESS THAN 42" IN HEIGHT.
- GUARDRAILS SHALL HAVE INTERMEDIATE RAILS OR AN ORNAMENTAL PATTERN SUCH THAT NO OBJECT 4" IN DIAMETER CAN NOT PASS THROUGH THE GUARDRAIL PER IBC.
- HANDRAILS NOT REQUIRED PER 2012 IBC 1009.15 EXCEPTION #3 FOR WALKWAYS HAVING A SINGLE CHANGE IN ELEVATIONS WHERE THE LANDING DEPTH ON EACH SIDE OF THE CHANGE OF ELEVATIONS IS GREATER THAN WHAT IS REQUIRED FOR A LANDING.



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DATE: 07/11/19
PROJECT: 19-048
DRAWN BY: C.G.R.
REVISIONS:

SITE DETAILS

SHEET NUMBER:
C201

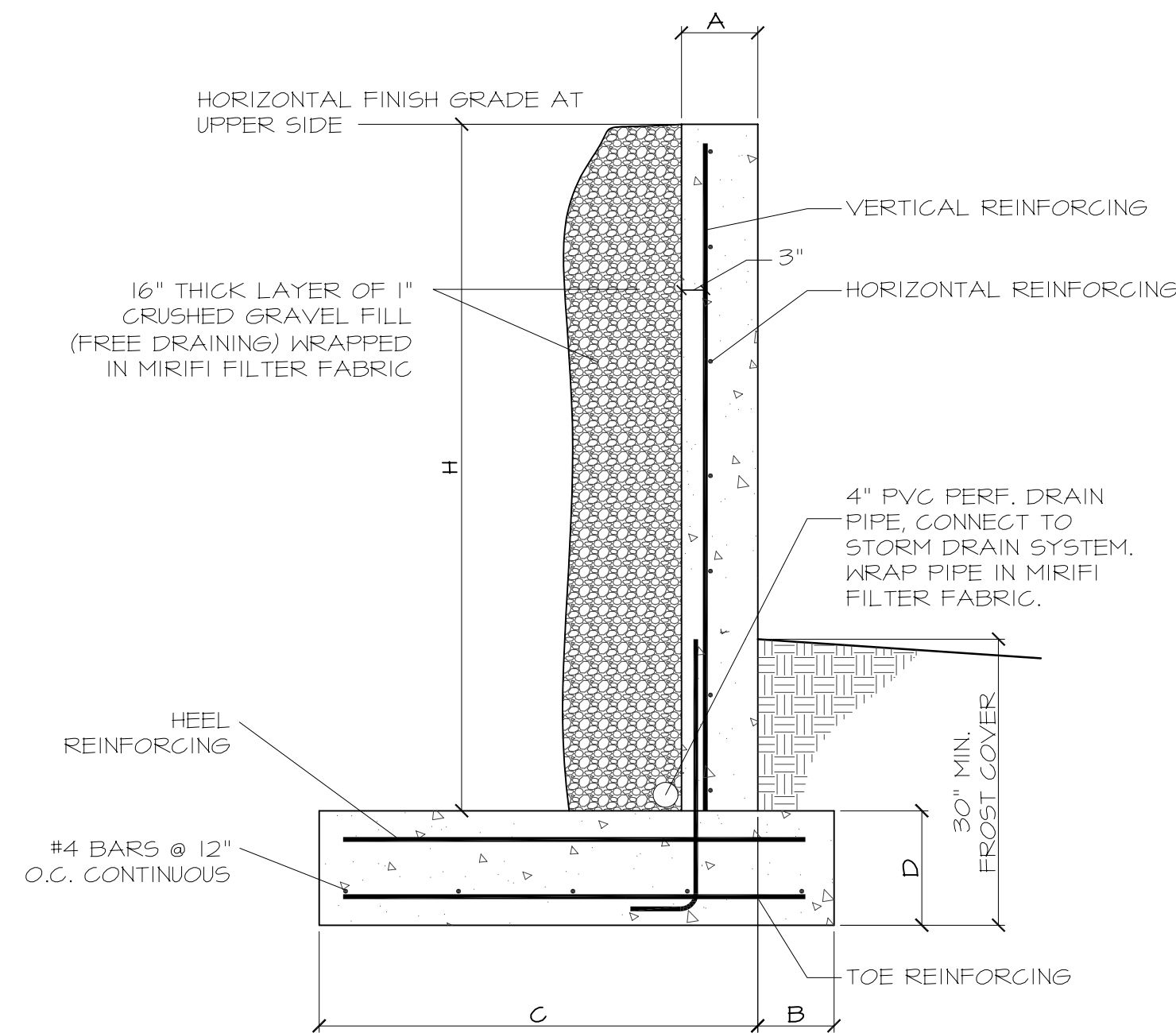
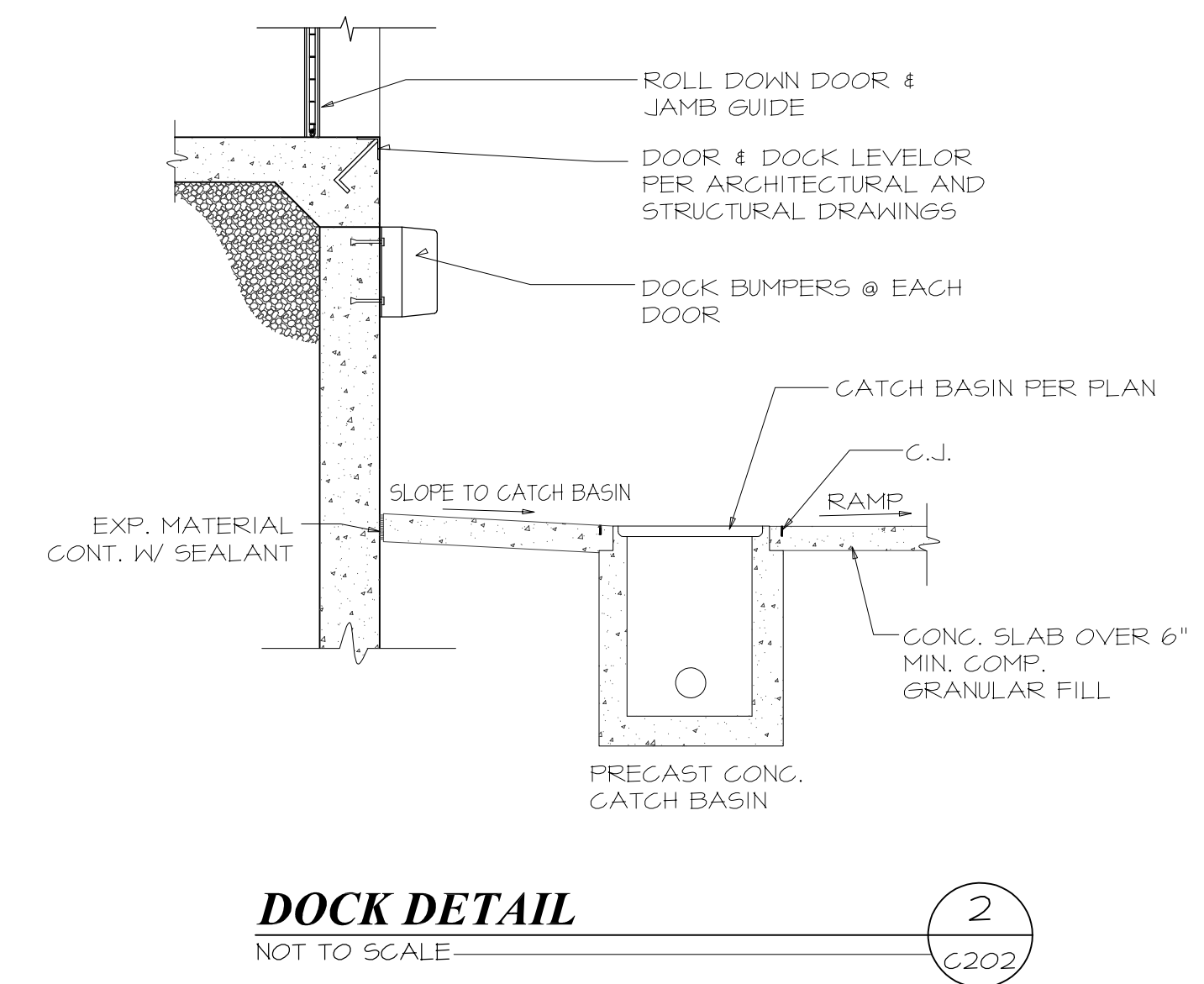
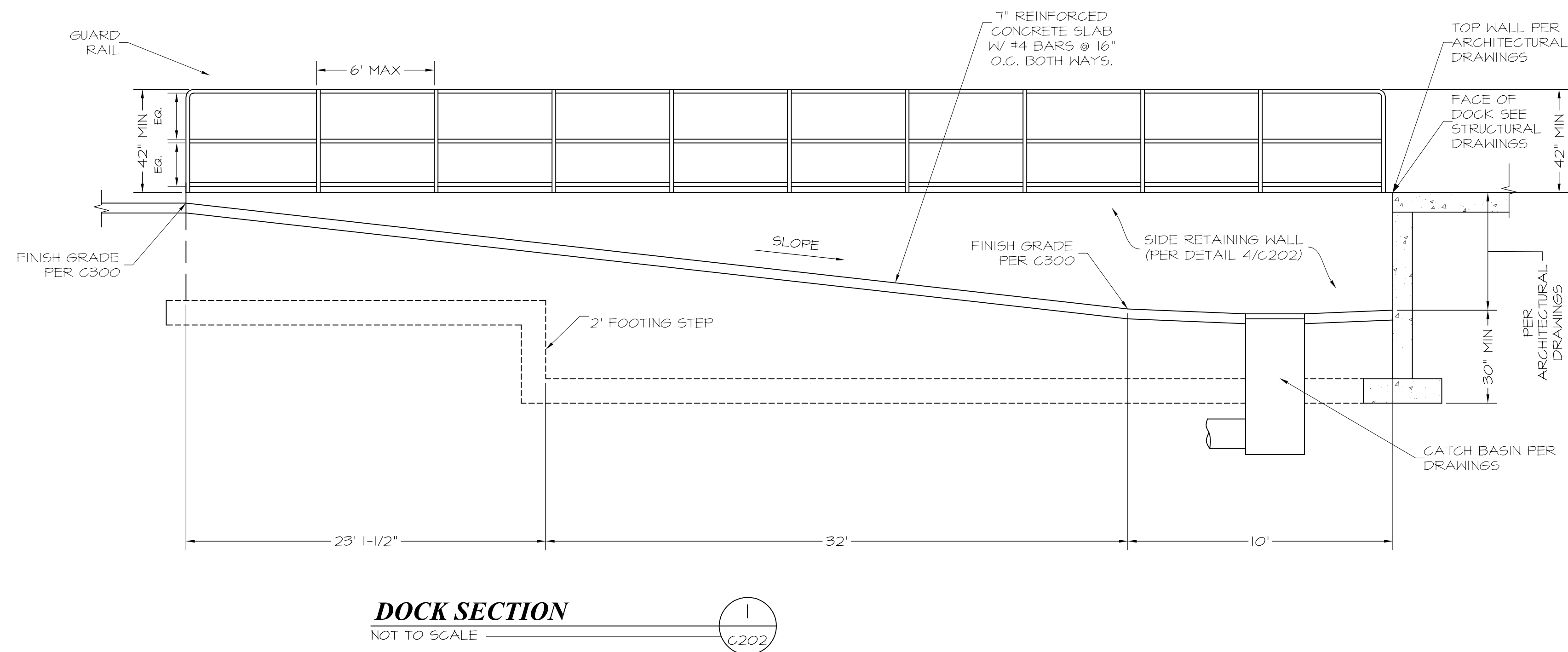


TABLE A-1

RETAINING WALL SCHEDULE (FOOTING UNDER HIGH SIDE OF BACKFILL)

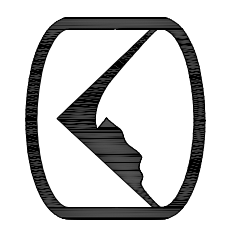
WALL HEIGHT	DIMENSIONS				WALL REINFORCING		FOOTING REINFORCING	
	A	B	C	D	VERTICAL	HORIZONTAL	TOE	HEEL
4'-0"	8"	12"	18"	12"	#4 @ 16" O.C.	#4 @ 12" O.C.	NONE	#4 @ 24" O.C.
6'-0"	8"	12"	30"	12"	#4 @ 12" O.C.	#4 @ 12" O.C.	NONE	#4 @ 12" O.C.

- NOTES:
1. ALL FOOTINGS SHALL HAVE (1) #4 CONTINUOUS PER FOOT OF WIDTH.
 2. ALL BACKFILL SHALL BE GRANULAR STRUCTURAL FILL MATERIAL AND MUST BE COMPACTED TO 95% IN NO THICKER THAN 6" LIFTS.
 3. ALL REBAR SPLICES SHALL HAVE AN OVERLAP OF 40 TIMES THE BAR DIAMETER.
 4. 2,000 PSF SOIL BEARING CAPACITY, 35 PCF FLUID PRESSURE, 300 PCF PASSIVE RESISTANCE, FRICTION FACTOR = 0.4

TYPICAL RETAINING WALL DETAIL (FOOTING UNDER HIGH SIDE OF BACKFILL)



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REVISIONS:

DOCK DETAILS

SHEET NUMBER:
C202



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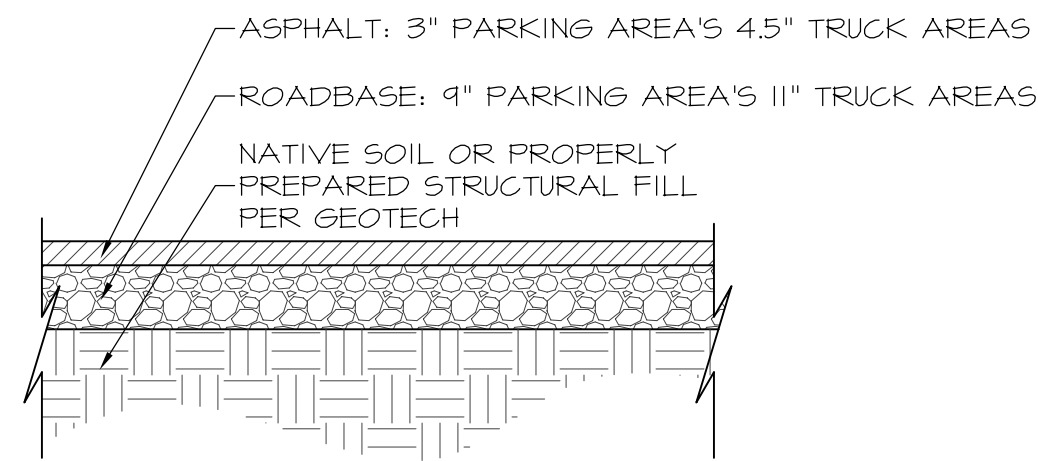
CHALLENGER PALLETS
 APPROX. 1175 WEST 2150 NORTH
 OGDEN, UTAH

DATE: 07/11/19
 PROJECT: 19-048
 DRAWN BY: C.G.R.
 REVISIONS:

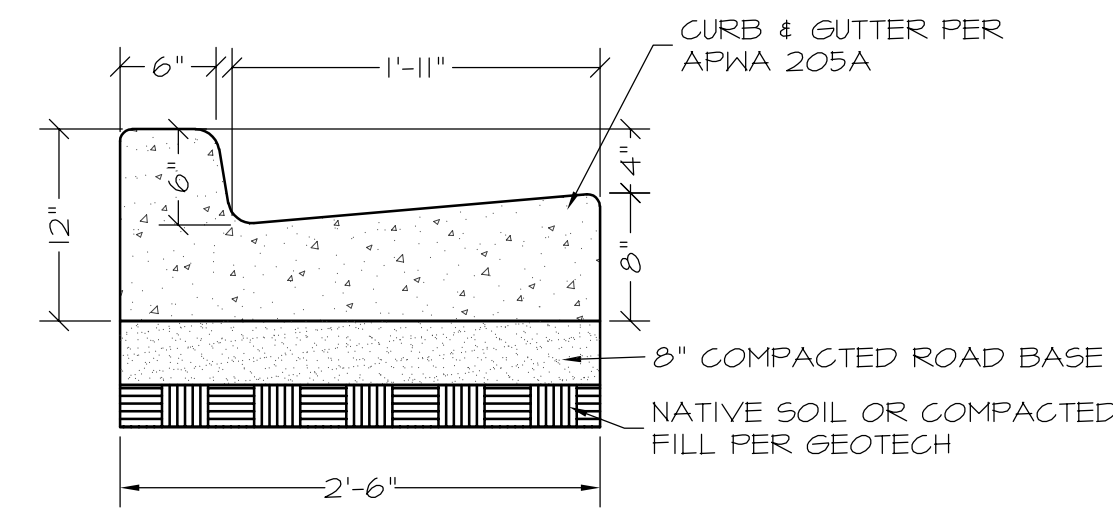
GRADING /
 DRAINAGE PLAN

SHEET NUMBER:
C300

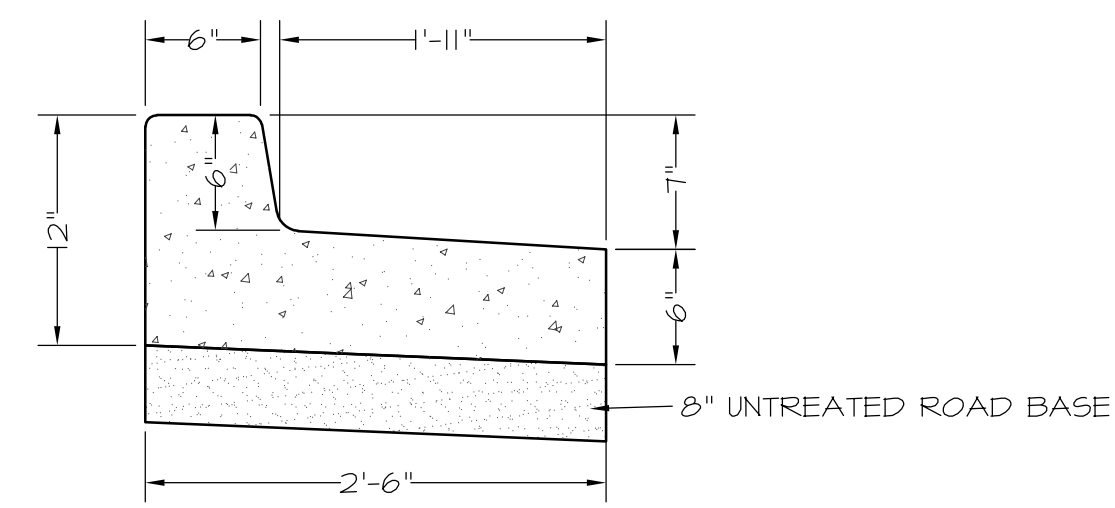
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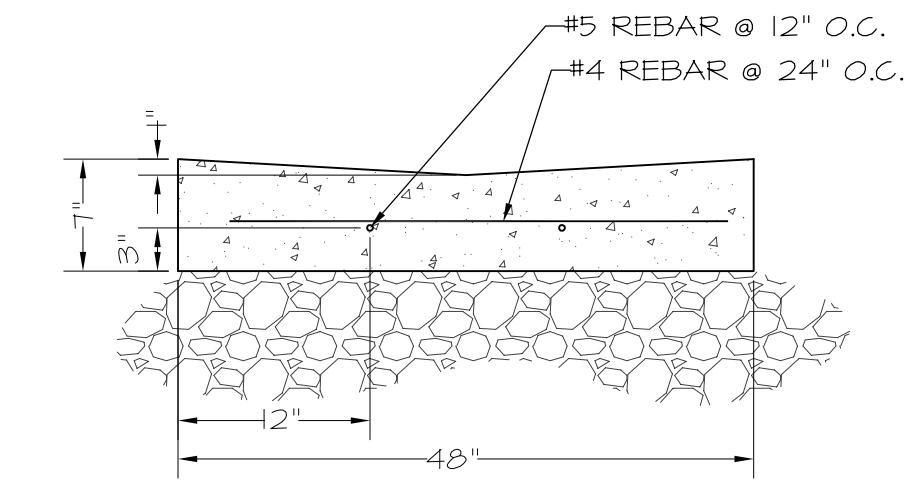
ASPHALT PAVEMENT SECTION 1
NOT TO SCALE C301



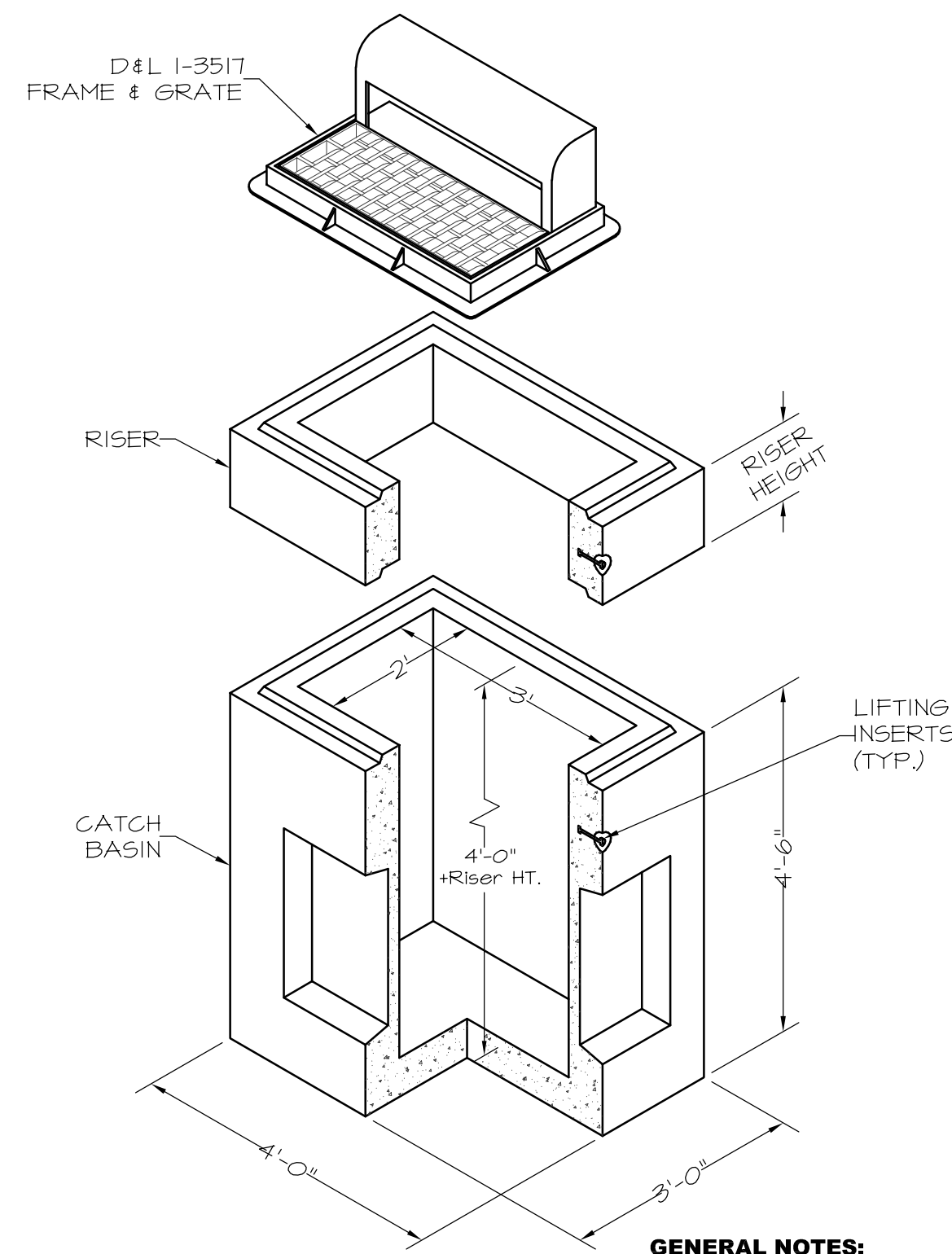
30\"/>



30\"/>

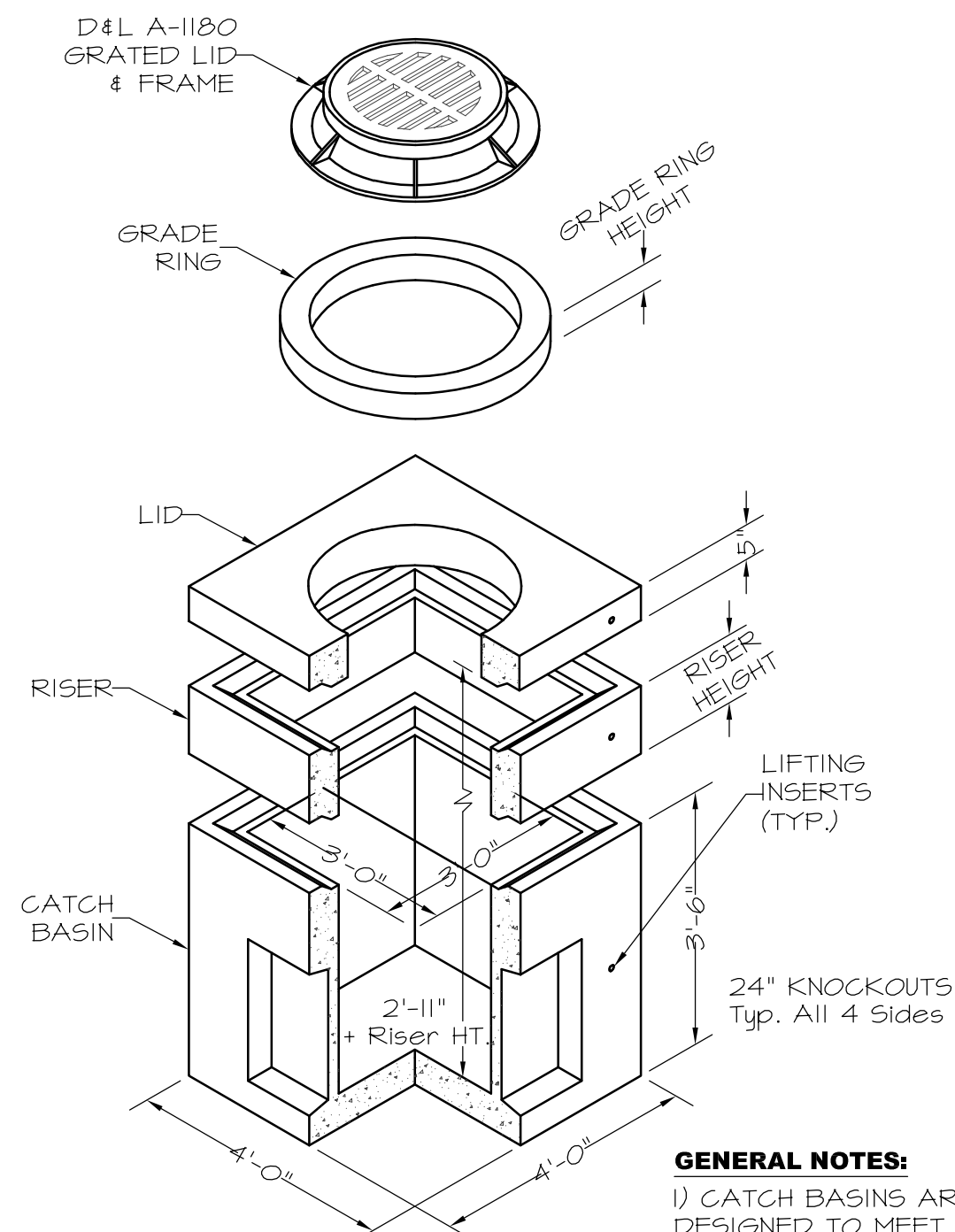


4\"/>



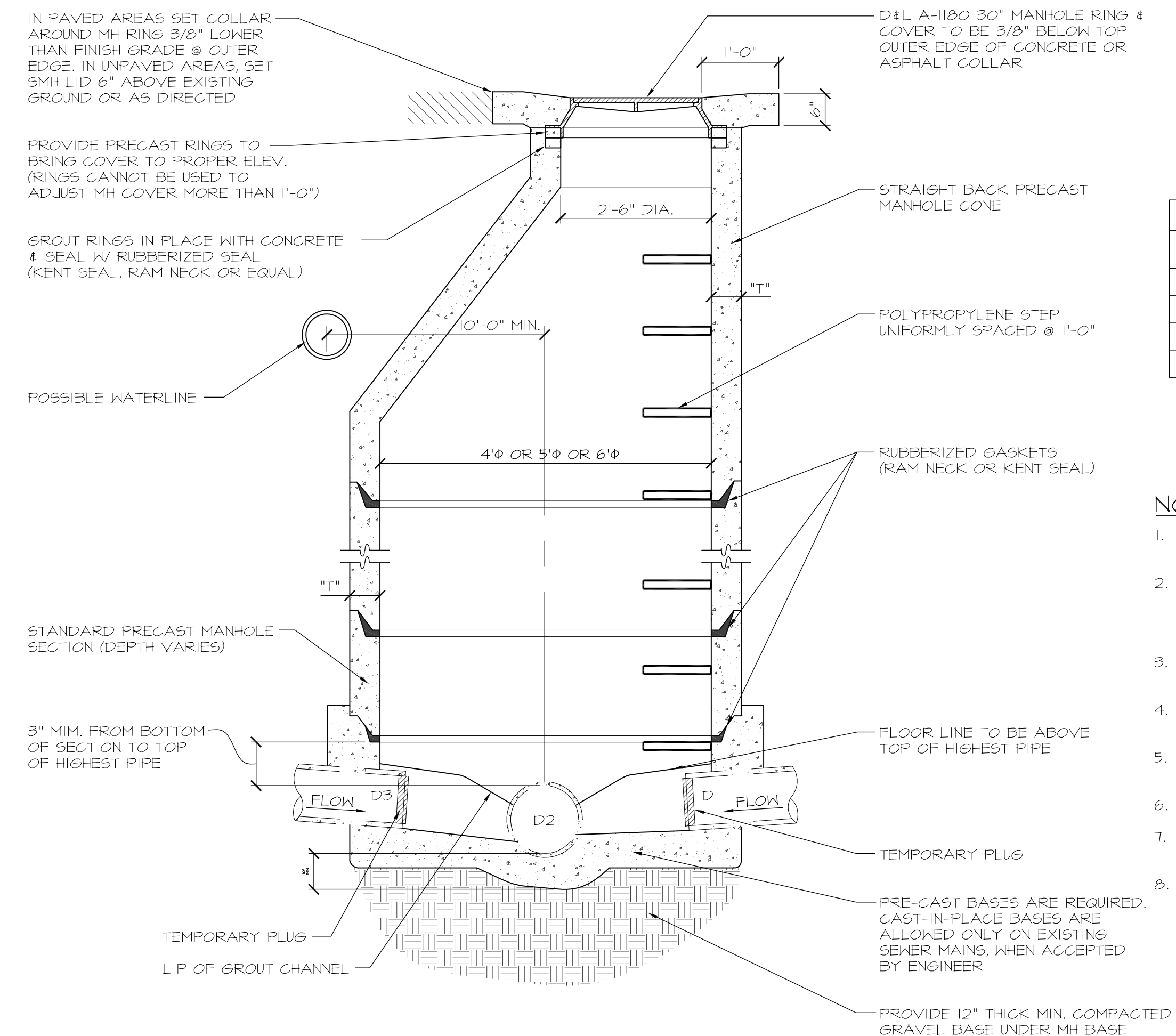
GENERAL NOTES:
1) CATCH BASINS ARE TO BE DESIGNED TO MEET ASTM C858 WITH AASHTO H5-20 LOADING

STORM DRAIN CATCH BASIN (SDCB) 5
NOT TO SCALE C301



GENERAL NOTES:
1) CATCH BASINS ARE TO BE DESIGNED TO MEET ASTM C858 WITH AASHTO H5-20 LOADING

STORM DRAIN CLEAN OUT (SDCO) 6
NOT TO SCALE C301

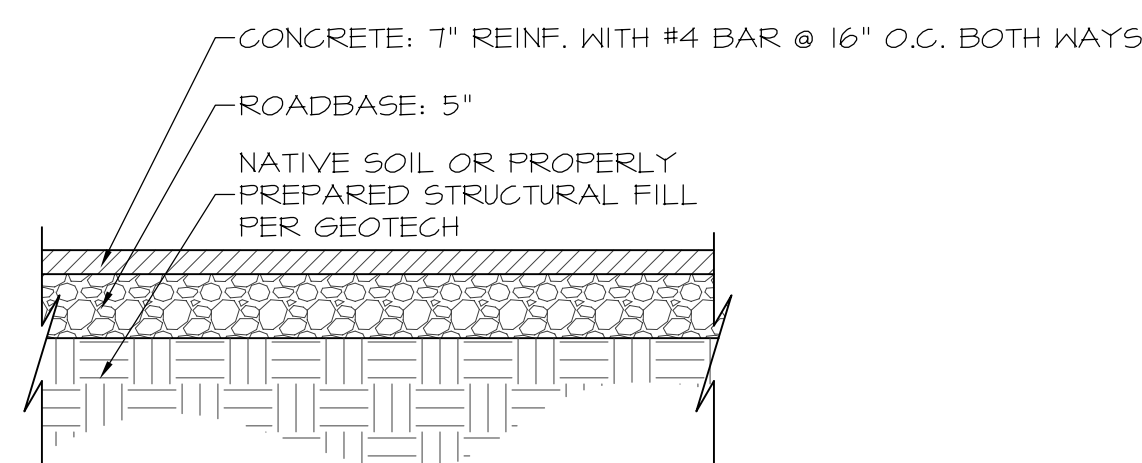


WALL THICKNESS (T)	
SMH DIA.	T (INCHES)
4'-0"	5"
5'-0"	6"
6'-0"	7"

NOTES:

- IF GRADE ALLOWS, INVERTS OF D1 & D3 SHALL MATCH TOP OF D2 OTHERWISE AS APPROVED BY DISTRICT.
- AFTER ALL GRADING AROUND MANHOLE HAS BEEN COMPLETED & FINAL SURFACING IS IN PLACE, REMOVE DEBRIS & TEMPORARY PLUGS OR FLYWOOD FROM INSIDE OF MANHOLE.
- IF MANHOLE BASE IS TO BE POURED IN PLACE, FOLLOW SAME PATTERN AS SHOWN EXCEPT USE 10" MIN. WALL THICKNESS.
- MANHOLES DEEPER THAN 20'-0" SHALL HAVE AN 18" THICK CONCRETE BASE.
- SET MANHOLE FRAME & COVER TO 3/8" BELOW FINISH GRADE AFTER FINAL STREET GRADING IS COMPLETE.
- CONE & WALL SECTIONS TO CONFORM TO ASTM C-418.
- JUNCTIONS OF (3) OR MORE PIPES REQUIRE 5' OR LARGER MANHOLE.
- DEFLECTION ANGLE OF 75° OR HIGHER REQUIRE 5' OR LARGER MANHOLE.

TYPICAL MANHOLE DETAIL 7
NOT TO SCALE C301



CONCRETE PAVEMENT SECTION FOR APRONS AND LOADING ZONES 8
NOT TO SCALE C301

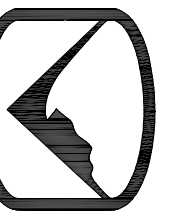
PAVEMENT NOTES:

- REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL PAVEMENT INFORMATION, COMPACTION INFORMATION, AND SOIL PREPARATION INFORMATION. IN CASE OF A CONFLICT, THE MOST STRINGENT REQUIREMENTS SHOULD BE FOLLOWED.

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REVISIONS:

NO.	DESCRIPTION

GRADING / DRAINAGE DETAILS

SHEET NUMBER:

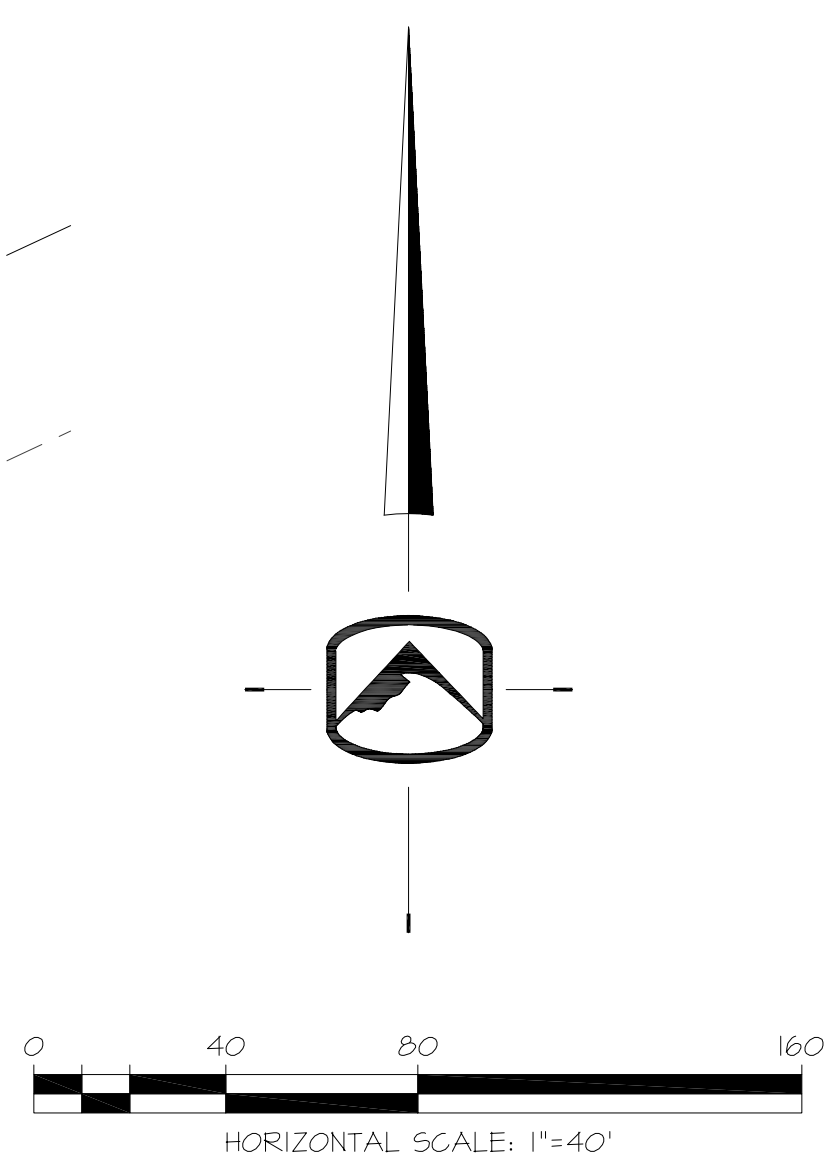
C301



LEGEND

NOT ALL ITEMS IN THE LEGEND MAY BE APPLICABLE

---	BOUNDARY LINE	
---	CENTERLINE	
---	EASEMENT LINE	
---	SETBACK LINE	
---	IRR	EX. IRRIGATION LINE
---	OHP	EX. OVERHEAD POWER LINE
---	SD	EX. STORM DRAIN
---	SA	EX. SANITARY SEWER
---	SW	EX. SECONDARY WATERLINE
---	T	EX. TELEPHONE LINE
---	G	EX. GAS LINE
---	W	EX. CULINARY WATERLINE
---	SC	SECTION CORNER
---	M	MONUMENT
---	CP	CONTROL POINT
---	4250	EG CONTOUR MINOR
---	4250	EG CONTOUR MAJOR
---	---	EXISTING ASPHALT
---	---	EXISTING CURB & GUTTER



UTILITY PLAN

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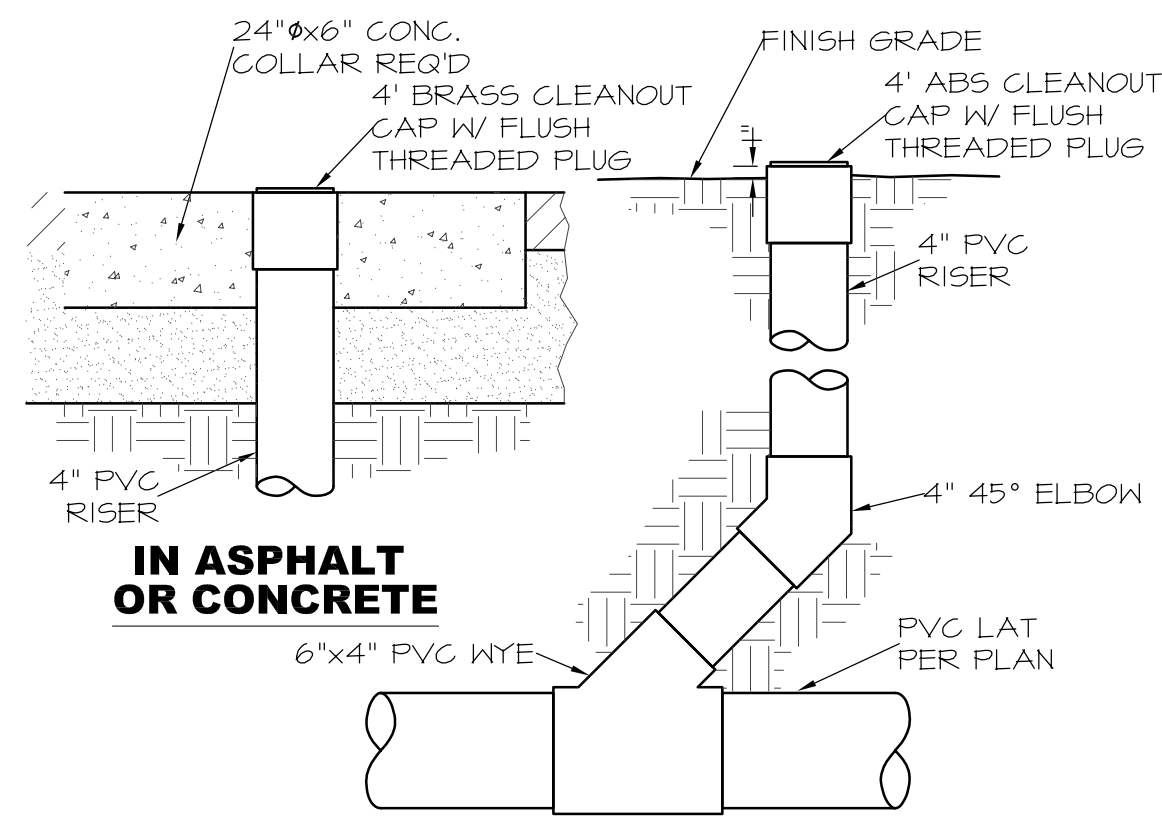
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UTILITY PLAN

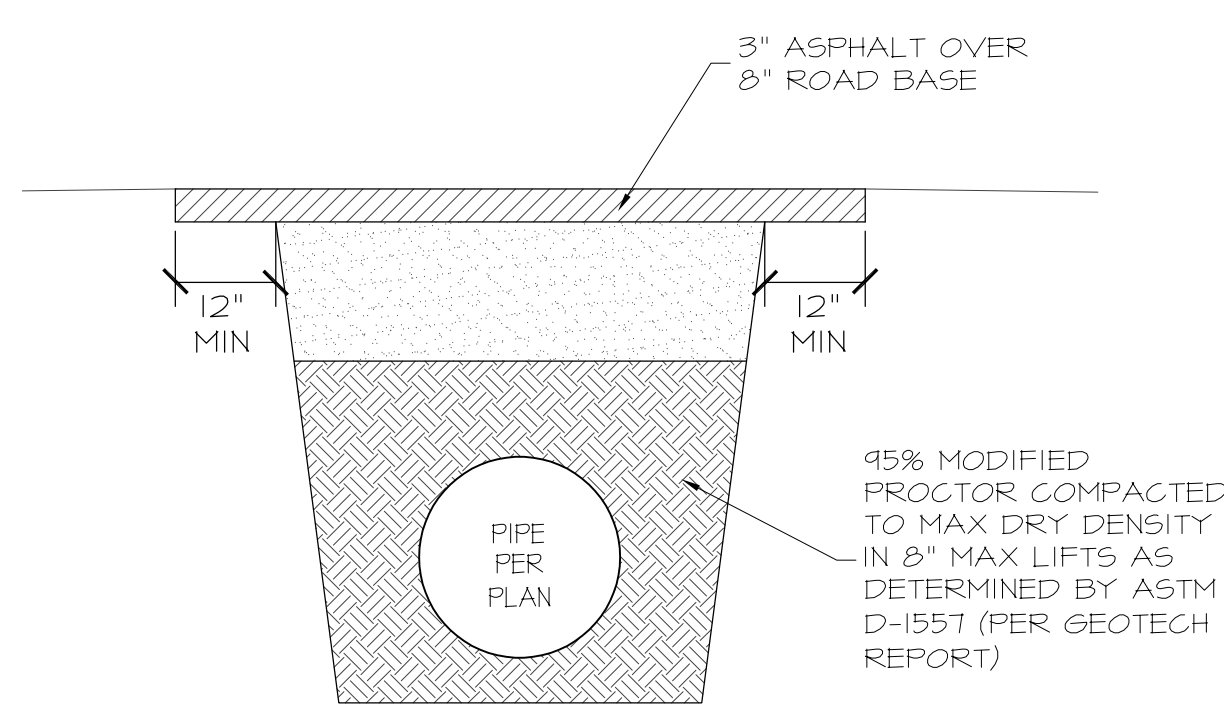
SHEET NUMBER:
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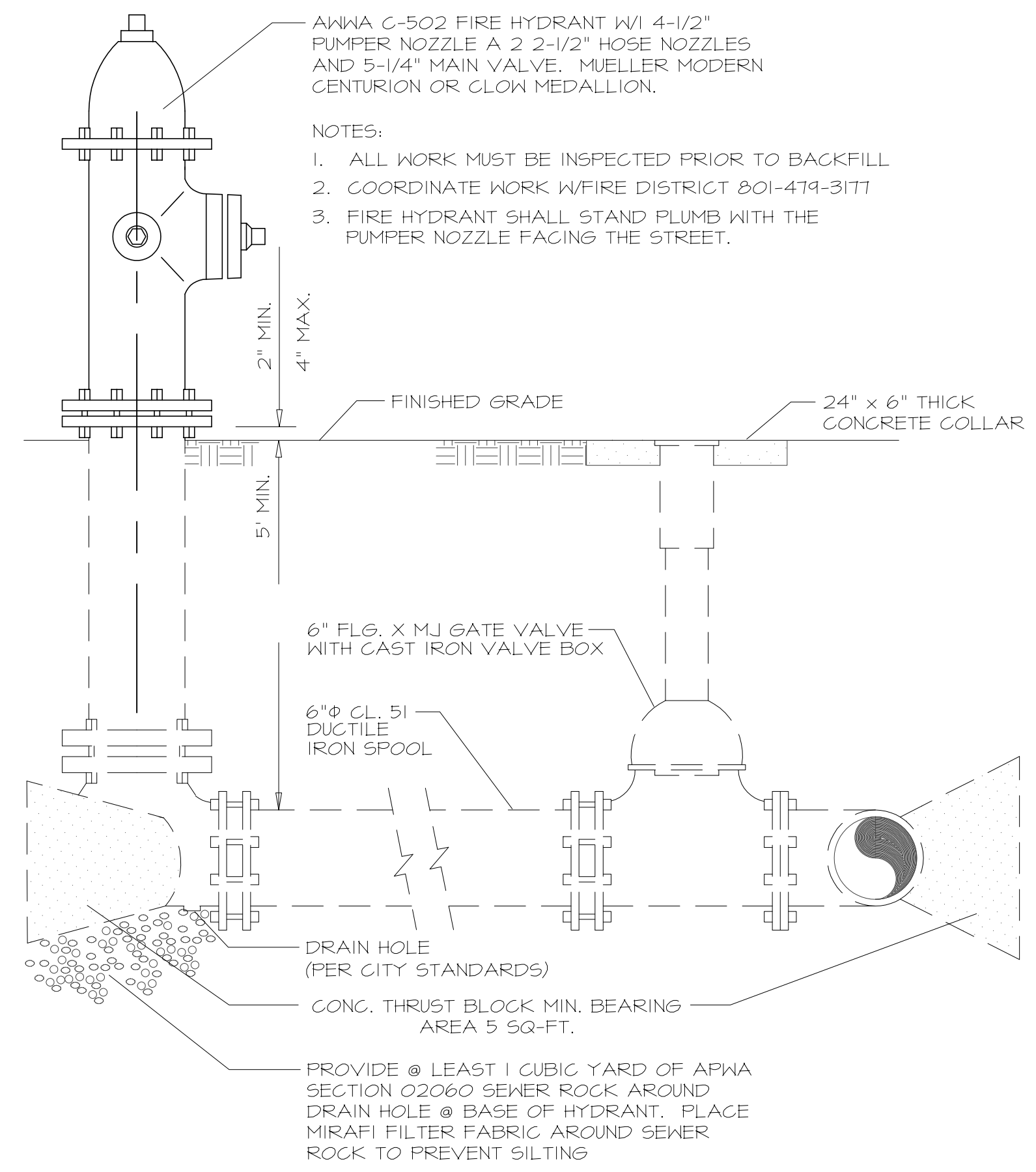
SANITARY SEWER CLEANOUT
NOT TO SCALE

1
C4.1



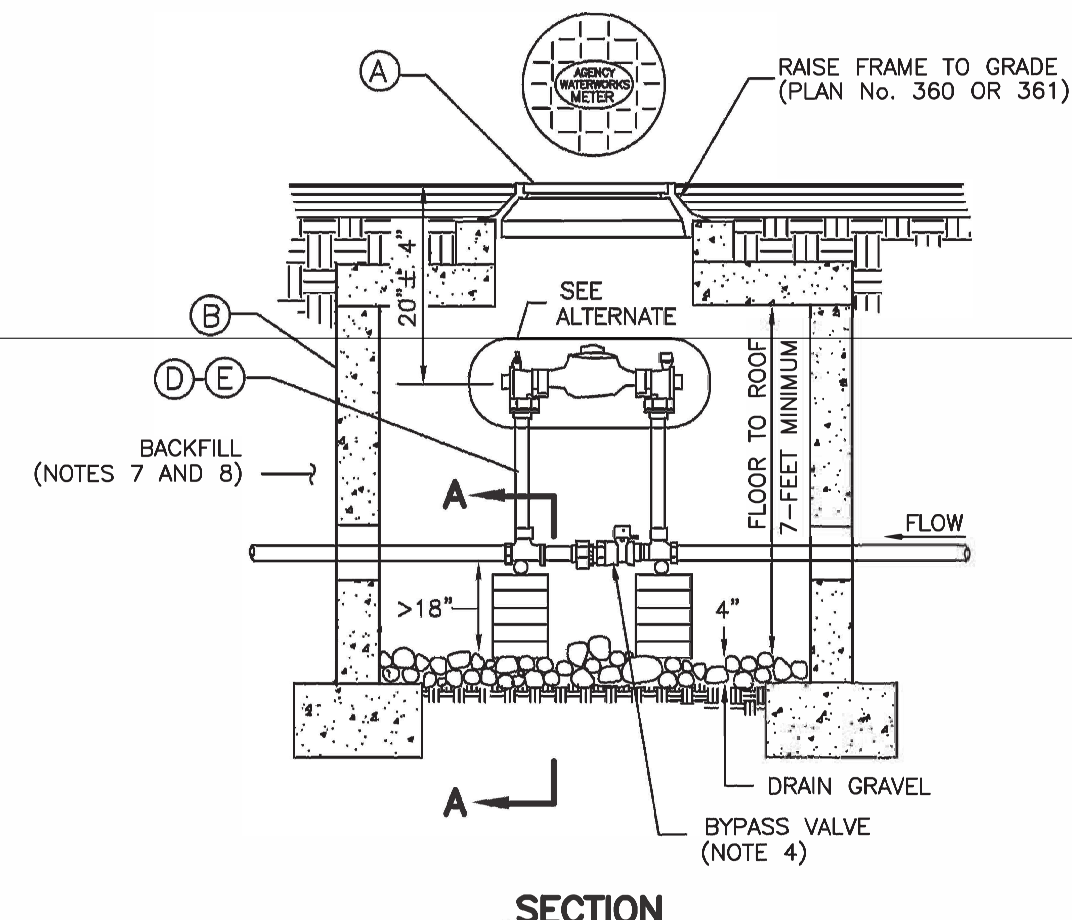
TYPICAL UTILITY TRENCH CROSS SECTION
NOT TO SCALE

2
C4.1



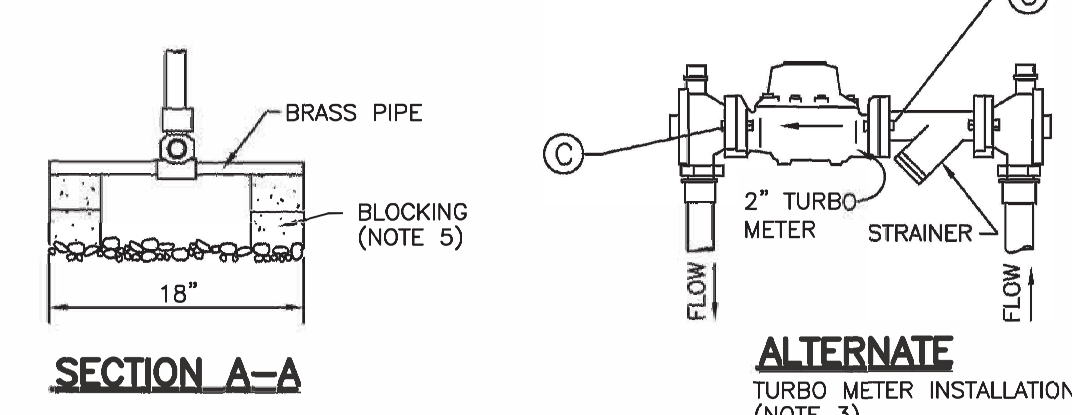
FIRE HYDRANT ASSEMBLY
NOT TO SCALE

3
C4.1



1 1/2" AND 2" METER

- METER PLACEMENT:
 - IN NEW CONSTRUCTION, INSTALL METER AT CENTER OF LOT OR PER AGENCY REQUIREMENTS.
 - ALL METERS ARE TO BE INSTALLED IN THE PARK STRIP OR WITHIN 7 FEET OF THE PROPERTY LINE (STREET SIDE).
 - DO NOT INSTALL METERS UNDER DRIVEWAY APPROACHES, SIDEWALKS, OR CURB AND GUTTER.
- PIPE: INSTALL TYPE 'K' COPPER PIPE TO PROPERTY LINE. COORDINATE WITH UTILITY AGENCY FOR TYPE OF PIPE TO BE USED OUTSIDE OF RIGHT-OF-WAY.
- ALTERNATE: TURBINE METERS ARE REQUIRED ON ALL SYSTEMS USED EXCLUSIVELY FOR IRRIGATION OR FIRE PROTECTION, WHERE DOMESTIC USE IS APPLICABLE, USE A STANDARD METER.
- BYPASS VALVE: LOCK IN OFF POSITION.
- BLOCKING: USE CLAY BRICK OR CONCRETE BLOCK.
- CONCRETE BOX:
 - CENTER FRAME AND COVER OVER WATER METER.
 - ALLOW 1 INCH CLEARANCE AROUND WATERLINE WHERE LINE PASSES THROUGH WALL. SEAL OPENING WITH COMPRESSIBLE SEAL.
- INSPECTION: PRIOR TO BACKFILLING AROUND THE METER BOX, SECURE INSPECTION OF INSTALLATION BY ENGINEER.
- BACKFILL: PROVIDE AND PLACE PER ANWA SECTION 33 05 20. COMPACT PER ANWA SECTION 31 23 26 TO A MODIFIED PROCTOR DENSITY OF 95 PERCENT OR GREATER, MAXIMUM LIFT 9". THICKNESS IS 8 INCHES BEFORE COMPACTION.



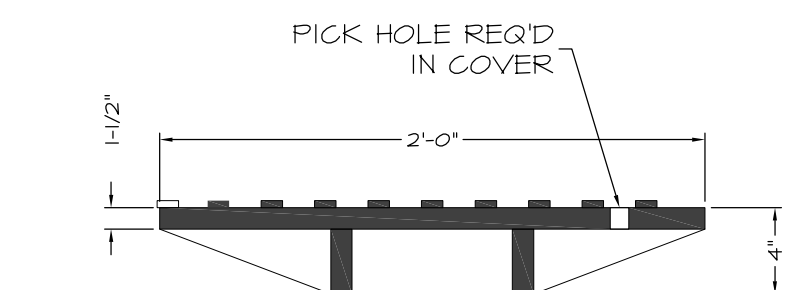
ALTERNATE TURBO METER INSTALLATION
(NOTE 3)

LEGEND		
No.	ITEM	DESCRIPTION
(A)	27" FRAME AND COVER	PLAN No. 502
(B)	CONCRETE BOX	PLAN No. 505
(C)	METER BOLTS	5/8" x 2 3/4" BRASS
(D)	1 1/2" CUSTOM SETTER WITH BYPASS	
(E)	2" CUSTOM SETTER WITH BYPASS	

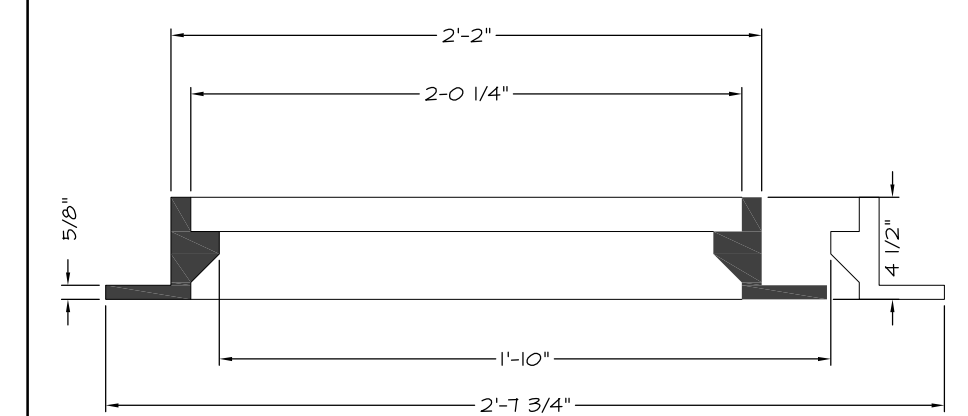
* FURNISHED BY UTILITY AGENCY

WATER METER DETAIL
NOT TO SCALE

4
C4.1



MANHOLE COVER



MANHOLE RING

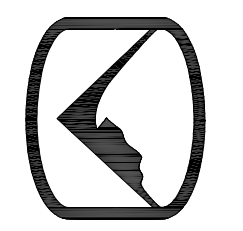
NOTE:
IF CONCRETE GRADE RINGS ARE USED ON A SAMPLING MANHOLE INSTALLATION, THE TOTAL HEIGHT OF THE STACKED RINGS MUST NOT EXCEED 12".

MANHOLE COVER & RING
NOT TO SCALE

7
C4.1



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UTILITY DETAILS

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C401



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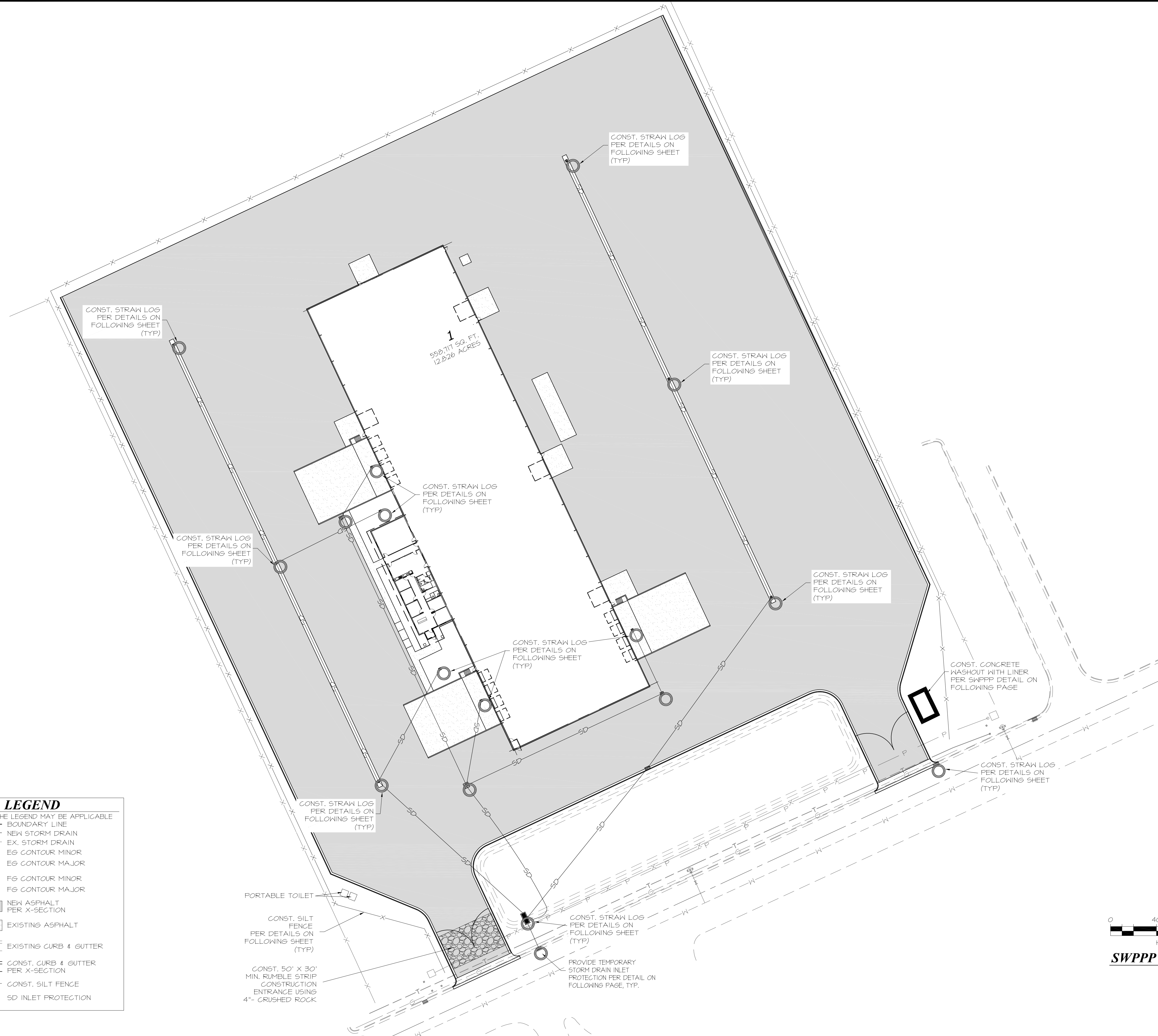
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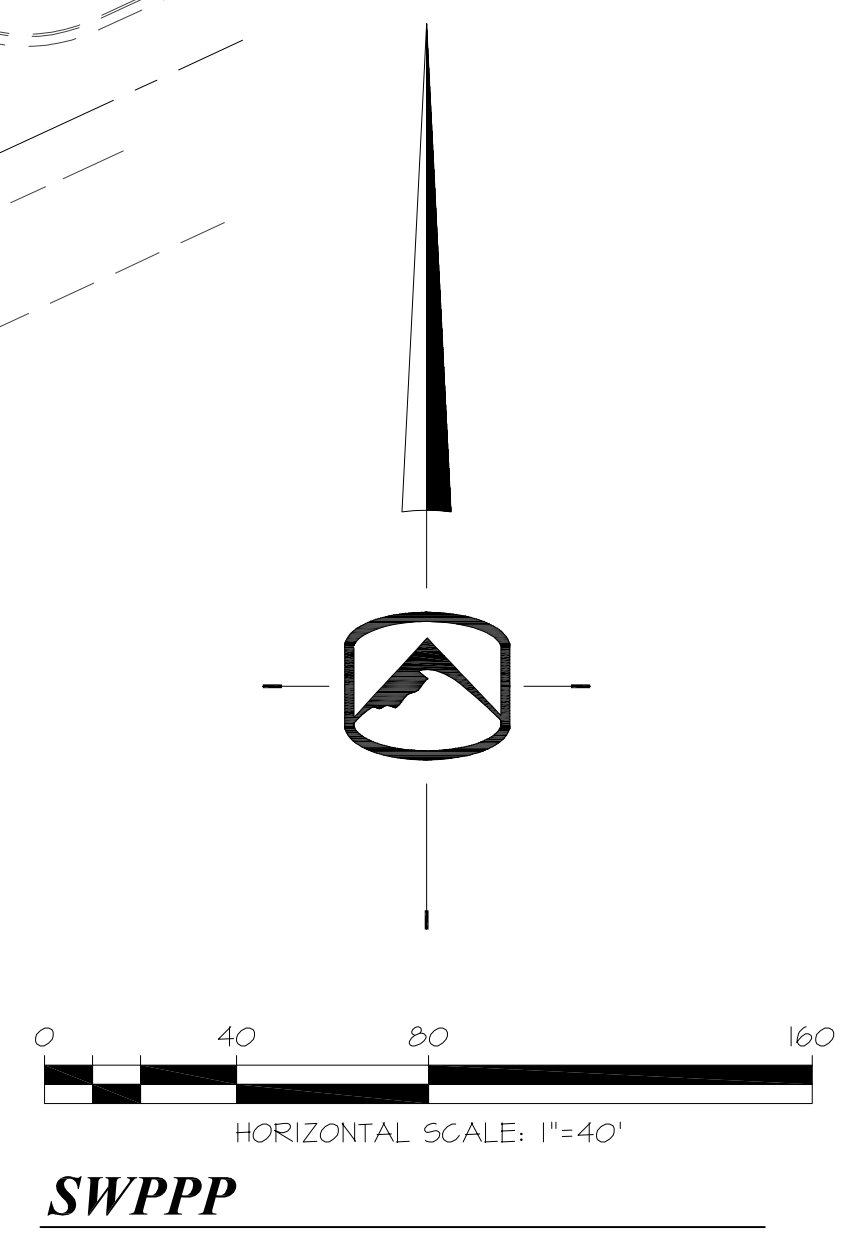
SWPPP

SHEET NUMBER:
C500



LEGEND
 NOT ALL ITEMS IN THE LEGEND MAY BE APPLICABLE

---	BOUNDARY LINE
SD	NEW STORM DRAIN
SD	EX. STORM DRAIN
4250	EG CONTOUR MINOR
4250	EG CONTOUR MAJOR
4250	FG CONTOUR MINOR
4250	FG CONTOUR MAJOR
	NEW ASPHALT PER X-SECTION
	EXISTING ASPHALT
	EXISTING CURB & GUTTER
	CONST. CURB & GUTTER PER X-SECTION
X	CONST. SILT FENCE
○	SD INLET PROTECTION



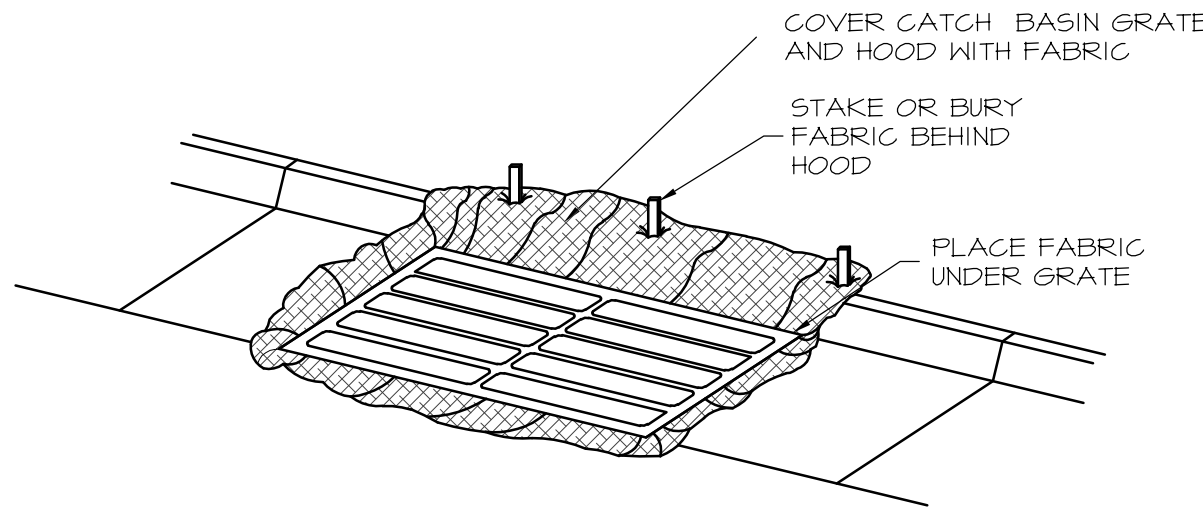
CALL BLUESTAKES
 @ 1-800-662-4111
 AT LEAST 48 HOURS
 PRIOR TO COMMENCING
 ANY CONSTRUCTION

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHALLENGER PALLETS

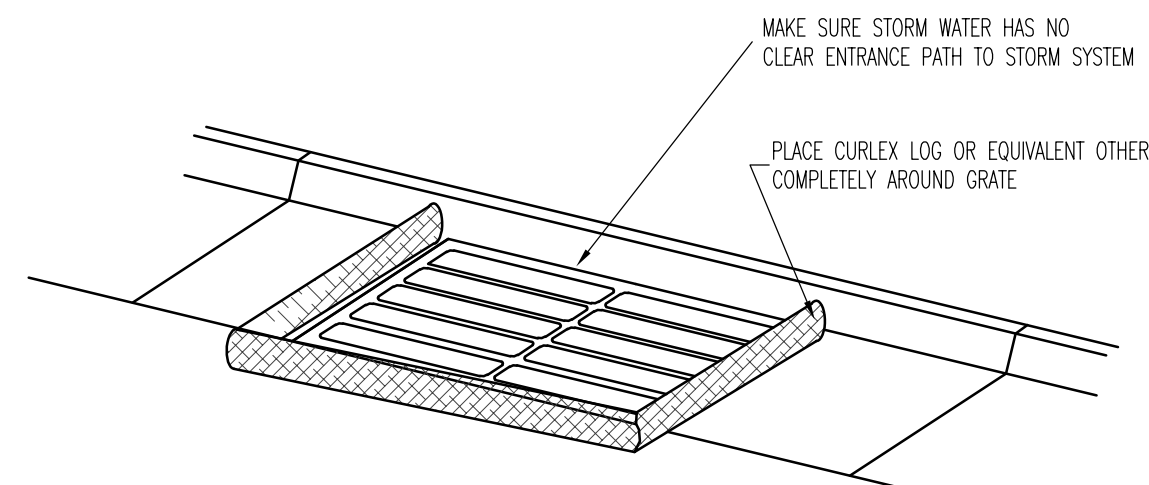
STORM WATER POLLUTION PREVENTION PLAN SPECIFIC NOTES

DEFINITIONS



FABRIC UNDER GRATE

MAINTENANCE: LIFT GRATE & CLEAN SEDIMENT OFF OF FABRIC WEEKLY & AFTER A STORM. TAKE CARE WHILE LIFTING GRATE TO PREVENT SEDIMENT FROM FALLING INTO THE CATCH BASIN. DISPOSE OF SEDIMENT AWAY FROM THE STORM DRAIN.



CURLEX LOG (STRAW/CLOTH SACK)

MAINTENANCE: REMOVE & CLEAN CULEX LOGS THOROUGHLY EACH WEEK OR AFTER A STORM. TAKE CARE WHILE MOVING ROCK SACKS TO PREVENT SEDIMENT FROM FALLING INTO THE CATCH BASIN. DISPOSE OF SEDIMENT AWAY FROM THE STORM DRAIN.

INLET PROTECTION

NOTES:

1. USE FABRIC UNDER GRATE TO PROTECT THE CATCH BASIN FROM SEDIMENTATION.

CONSTRUCTION & BMP SEQUENCING

BMP INSPECTION AND MAINTENANCE SHALL BEGIN WITH THE INSTALLATION OF THE FIRST BMP AND CONTINUE UNTIL THE LAST BMP (REVEGETATION) HAS BEEN COMPLETED.

CATCH BASIN PROTECTION

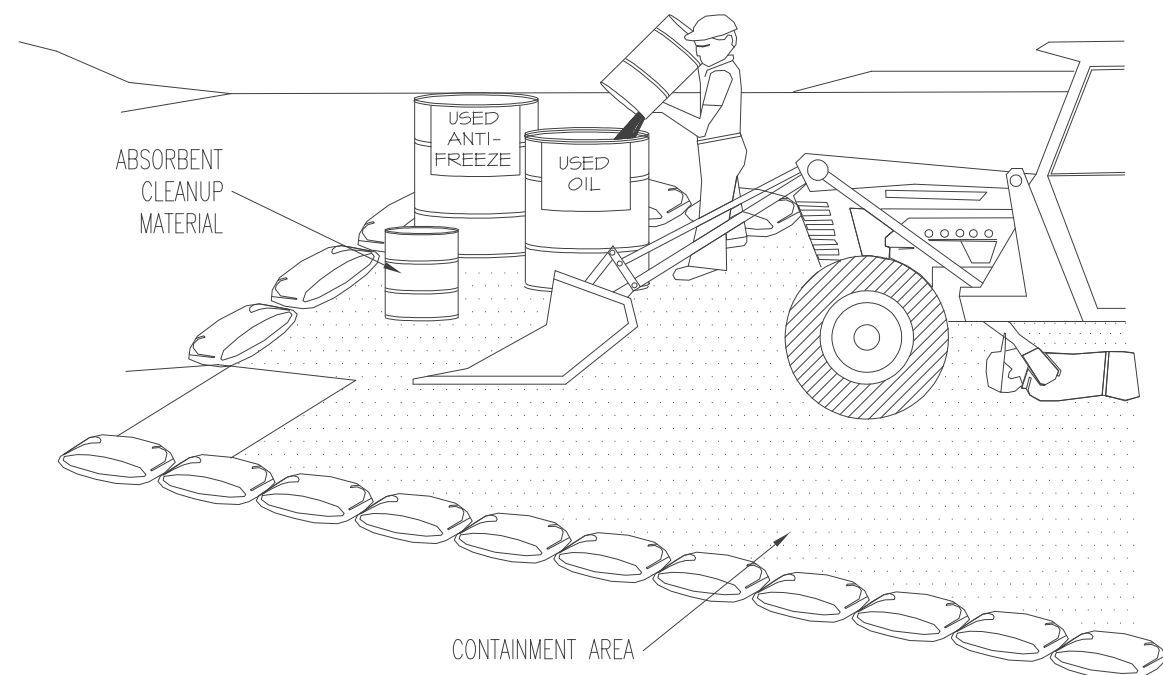
1. CATCH BASIN PROTECTION PER DETAIL LABELED "CURLEX LOG" AND/OR "FABRIC UNDER GRATE" SHALL BE INSTALLED UPON COMPLETION OF STORM DRAIN CONSTRUCTION.
2. FOR CATCH BASINS LOCATED IN CURB AND GUTTER:
 - A. "CURLEX LOG" SHALL REMAIN IN PLACE UNTIL CURB AND GUTTER IS CONSTRUCTED.
 - B. CATCH BASIN PROTECTION PER DETAIL LABELED "FABRIC UNDER GRATE" SHALL BE INSTALLED UPON COMPLETION OF CURB AND GUTTER CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL FINISH GRADING IS COMPLETED.
3. FOR CATCH BASINS LOCATED IN LANDSCAPE AREAS:
 - A. "CURLEX LOG" SHALL REMAIN IN PLACE UNTIL SITE GRADING OCCURS.
 - B. CATCH BASIN PROTECTION PER DETAIL LABELED "CURLEX LOG" AND/OR "FABRIC UNDER GRATE" SHALL BE INSTALLED UPON COMPLETION OF SITE GRADING, AND SHALL REMAIN IN PLACE UNTIL ALL GRADING & LANDSCAPING IS COMPLETED.

CONCRETE WASTE MANAGEMENT

1. A CONCRETE WASTE MANAGEMENT FACILITY SHALL BE CONSTRUCTED PRIOR TO POURING ANY CONCRETE ON THE SITE, AND SHALL REMAIN IN PLACE UNTIL THE LAST CONCRETE POUR HAS BEEN COMPLETED.
2. CONTRACTOR IS TO REMOVE THE CONCRETE WASTE MANAGEMENT FACILITY BY LEGALLY REMOVING AND DISPOSING OF WASTE CONCRETE AND, IF NECESSARY, ANY NON-SOIL BERM MATERIALS.

REVEGETATION

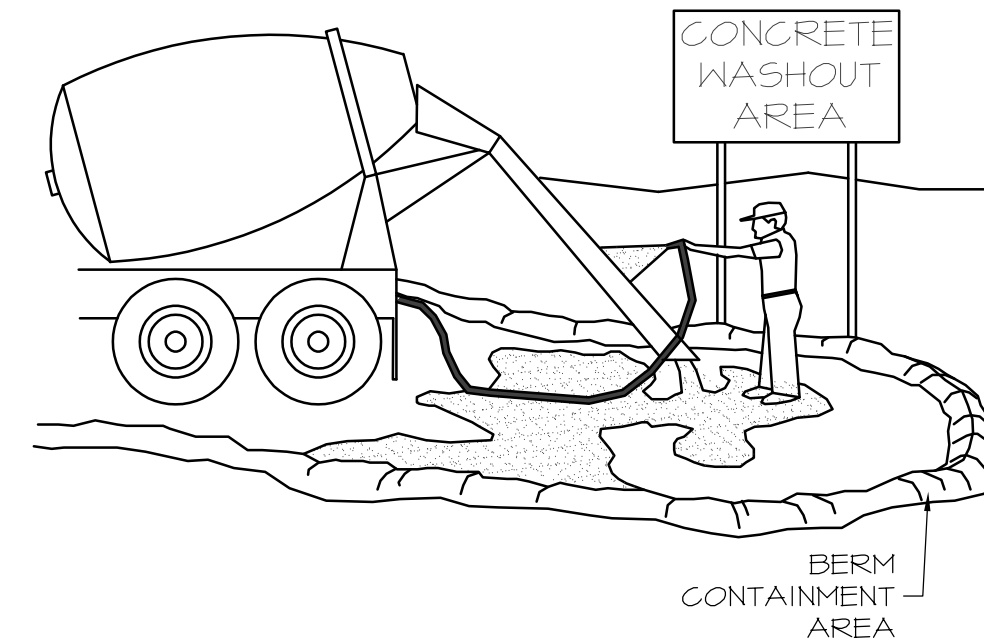
1. SEEDING AND PLANTING OF THE SITE PER THE LANDSCAPE PLAN SHALL OCCUR WITHIN 14 DAYS OF COMPLETION OF THE FINISH GRADING, IF SAID 14 DAYS OCCUR BETWEEN APRIL 15 AND SEPTEMBER 15. OTHERWISE, SEEDING AND PLANTING SHALL BEGIN APRIL 15.
2. PLANTING EFFORTS SHALL BE COMPLETED WITHIN 15 DAYS.
3. SEEDING AND PLANTING SHALL BE CONSIDERED COMPLETE WHEN 70% OF PLANTINGS ARE ESTABLISHED.



EQUIPMENT MAINTENANCE/REPAIR

NOTES:

1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT MATERIALS; DO NOT FLUSH WITH WATER.
2. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED, AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS.
3. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
4. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, AWAY FROM STORM DRAIN INLETS AND WATERCOURSES.
5. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS. LEGALLY DISPOSE OF USED OILS, FLUIDS AND LUBRICANTS.
6. PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
7. MAINTAIN AN ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREAS.



CONCRETE WASTE MANAGEMENT

NOTES:

1. EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
2. FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE. THIS DISCHARGE AREA MUST BE LINED WITH AN IMPERMEABLE BARRIER.
3. SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP, AND DISPOSED OF PROPERLY.

1. THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WAS DEVELOPED AT THE REQUEST OF THE OWNER FOR THE CONSTRUCTION OF COMMERCIAL CONSTRUCTION IN OGDEN CITY, [xxx] COUNTY, STATE OF UTAH. THIS PLAN IDENTIFIES POTENTIAL SOURCES OF POLLUTANTS OF STORM WATER, PRESENTS POLLUTION CONTROL MEASURES, AND ASSISTS IN INSURING IMPLEMENTATION AND MAINTENANCE OF THE BEST MANAGEMENT PRACTICES (BMP'S) INDICATED HEREIN.

2. A NOTICE OF INTENT SHALL BE FILED WITH THE STATE OF UTAH DIVISION OF WATER QUALITY BY THE OWNER SO THAT THIS CONSTRUCTION PROJECT MAY BE COVERED UNDER THE STATE GENERAL PERMIT. THE PERMIT IS UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) GENERAL PERMIT (NO. UTR 300000) FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. PERMIT FORMS ARE AVAILABLE FOR DOWNLOAD FROM THE DEPARTMENT OF ENVIRONMENTAL QUALITY AT WWW.WATERQUALITY.UTAH.GOV/UPDES/51600002.PDF

3. IN THE EVENT OF A CHANGE IN OWNERSHIP, A NEW NOTICE OF INTENT SHALL BE FILED WITH THE DIVISION OF WATER QUALITY.

4. IN THE EVENT OF A RELEASE OF A REPORTABLE QUANTITY OF A POLLUTANT, THE CONTRACTOR SHALL ADVISE THE OWNER TO NOTIFY THE UTAH RESPONSE CENTER, OGDEN CITY, AND SILVERPEAK ENGINEERING IF NECESSARY. THIS SWPPP SHOULD BE REVISED TO REFLECT THE CHANGE IN CONDITIONS OF THE CONSTRUCTION ACTIVITY. A REPORTABLE QUANTITY IS ESTABLISHED BY 40 CODE OF FEDERAL REGULATIONS (CFR) 117.3 OR 40 CFR 302.4.

5. ALL CONTRACTORS AND THEIR PERSONNEL WHOSE WORK CAN CONTRIBUTE TO OR CAUSE POLLUTION OF STORM WATER SHALL BE MADE FAMILIAR WITH THIS SWPPP PLAN. ADEQUATE TRAINING FOR IMPLEMENTATION OF THE MEASURES PRESENTED HEREIN SHALL BE PROVIDED TO THE CONTRACTORS AND THEIR PERSONNEL. ALL CONTRACTORS AND SUBCONTRACTORS, EVEN ON RESIDENTIAL CONSTRUCTION WITH DISTURBANCE AREAS LESS THAN ONE ACRE, SHALL ABIDE BY THIS SWPPP.

6. CHANGES IN CONSTRUCTION OR IN CONDITIONS WHICH ARE NOT COVERED BY THIS SWPPP SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, SKYLAND INVESTMENTS AND DEVELOPMENT AND SILVERPEAK ENGINEERING IF NECESSARY, THIS SWPPP WILL BE REVISED TO REFLECT THE CHANGE IN CONSTRUCTION OR IN CONDITIONS.

7. ALL PREVENTION AND CLEAN UP MEASURES SHALL BE CONDUCTED IN ACCORDANCE WITH OGDEN CITY ORDINANCES, AS WELL AS STATE AND FEDERAL REGULATIONS. WASTE MATERIALS SHOULD BE DISPOSED OF IN A LEGAL MANNER. ALL DISCHARGERS OF STORM WATER MUST COMPLY WITH THE LEGAL REQUIREMENTS OF OGDEN CITY REGARDING THE DISCHARGES OF STORM WATER TO STORM DRAINS.

8. THIS SWPPP DOES NOT COVER THE REMOVAL OF HAZARDOUS OR TOXIC WASTE. IN THE EVENT OF A DISCHARGE OR RELEASE OF A REPORTABLE QUANTITY OF TOXIC WASTE, WORK SHALL BE STOPPED UNTIL THE SPILL CAN BE ASSESSED AND A MITIGATION REPORT PREPARED BY A QUALIFIED ENVIRONMENTAL CONSULTANT, AND IF NECESSARY, REVIEWED BY OGDEN CITY AND ANY OTHER AGENCY HAVING JURISDICTION.
9. THIS SWPPP SHALL BE MADE AVAILABLE TO THE PUBLIC UNDER SECTION 308(B) OF THE CLEAN WATER ACT. UPON REQUEST BY MEMBERS OF THE PUBLIC, THE DISCHARGER SHALL MAKE AVAILABLE FOR REVIEW A COPY OF THIS SWPPP EITHER TO THE REQUESTER OF WATER QUALITY OR DIRECTLY TO THE REQUESTER. THIS SWPPP MUST BE KEPT ON SITE DURING CONSTRUCTION ACTIVITY AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE DIVISION OF WATER QUALITY AND/OR THE LOCAL AGENCY.

10. CONTACTS

DEVELOPER	[NAME]
ADDRESS	[ADDRESS]
CITY, STATE	[CITY] [xxx]
TELEPHONE	[xxx]

CONTRACTOR/DISCHARGER	[NAME]
ADDRESS	[ADDRESS]
CITY, STATE	[CITY] [xxx]
TELEPHONE	[xxx]

CIVIL ENGINEER PROJECT MANAGER	SILVERPEAK ENGINEERING
ADDRESS	JOSHUA R. JENSEN, P.E., S.E.
CITY, STATE	177 E ANTELOPE DR, SUITE B
TELEPHONE	LAYTON, UT 84041
	801-499-5054

OGDEN CITY	[ADDRESS]
ADDRESS	[CITY]
CITY, STATE	[xxx]
TELEPHONE	[xxx]

STATE OF UTAH	288 NORTH 1460 WEST
DEPARTMENT OF ENVIRONMENTAL QUALITY	P.O. BOX 144870
DIVISION OF WATER QUALITY	SALT LAKE CITY, UTAH 84114-4870

U.S. EPA ENVIRONMENTAL PROTECTION AGENCY	REGION VII
DENVER, COLORADO	800-759-4372

ENVIRONMENTAL PROTECTION AGENCY	202-475-9518
WASHINGTON, D.C. 20460	

11. REFERENCES
 - A. PLAN PER SILVERPEAK ENGINEERING.
 - B. STORMWATER POLLUTION PREVENTION PLAN PREPARED BY SILVERPEAK ENGINEERING

12. THE PROPOSED CONSTRUCTION ACTIVITY IS THE CONSTRUCTION OF ONE BUILDING PLUS THE CONSTRUCTION OF ALL IMPROVEMENTS, UTILITIES, AND DRAINAGE AND GRADING FEATURES AS SHOWN ON THE PLANS.

13. THE ESTIMATED RUN-OFF COEFFICIENT AFTER COMPLETION IS [xxx]

14. A NEGLIGIBLE AMOUNT OF WATER FLOWS ONTO THE SITE.

A. PROHIBITION ON MOST NON-STORM WATER DISCHARGES

ONLY STORM WATER FROM THE PROJECT SITE SHALL BE ALLOWED TO FLOW INTO THE ON-SITE STORM DRAIN SYSTEM. CLEAN WATER FROM THE FLUSHING OF FIRE HYDRANTS, WATER MAINS, AND STORM DRAINS MAY BE DISCHARGED TO THE STORM DRAIN IF IT IS NOT ALLOWED TO COLLECT DIRT, DEBRIS, AND TRASH WHILE FLOWING TO A STORM DRAIN INLET.

B. POTENTIAL SOURCES OF STORM WATER POLLUTANTS

POTENTIAL STORM WATER POLLUTANTS INCLUDE SOIL SEDIMENT AND NUTRIENTS; OIL, GREASE, TOXIC POLLUTANTS, AND HEAVY METALS. SOURCES OF STORM WATER POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO SOIL EROSION BY WATER AND/OR WIND; CLEARING OF VEGETATION; GRADING; VEHICLE AND EQUIPMENT REFUELING AND MAINTENANCE; WASHING OF CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT; PAINTS, SOLVENTS AND ADHESIVES; AND LANDSCAPING WORK.

C. EROSION AND SEDIMENT CONTROLS

1. COVER EXPOSED STOCKPILES OF SOILS, CONSTRUCTION AND LANDSCAPING MATERIALS WITH HEAVY PLASTIC SHEETING.
2. IN LANDSCAPING AREAS WHERE THE VEGETATION HAS NOT ESTABLISHED GROWTH AND TAKEN HOLD, CONSTRUCT SANDBAG OR DIRT BERMS AROUND THEIR PERIMETER TO INSURE THAT WATER WILL NOT BE CONVEYED TO A STORM DRAIN INLET.
3. DISTURBED AREAS SHALL BE SEED BY THE DEVELOPER. SILT BARRIERS SHALL BE MAINTAINED BY THE DEVELOPER IN THE MEAN TIME. OR, THE DEVELOPER SHALL RE-SEED DISTURBED AREAS AS THEY SEE FIT AND REMOVE THE SEDIMENT CONTROLS.
4. THROUGHOUT CONSTRUCTION, CONTRACTOR SHALL DIVERT STORM WATER RUNOFF AROUND DISTURBED SOILS WITH BERMS OR DIRT SWALES.

D. OTHER CONTROLS

1. WASTE DISPOSAL

- A. KEEP WASTE DISPOSAL CONTAINERS COVERED.
- B. PROVIDE FOR THE WEEKLY (OR MORE FREQUENT, IF NECESSARY) DISPOSAL OF WASTE CONTAINERS.
- C. PROVIDE CONTAINERS AT CONVENIENT LOCATIONS AROUND THE SITE.

2. SWEEPING OF SITE

- A. PROVIDE DAILY, IF NECESSARY, SWEEPING BY HAND OR MECHANICAL MEANS TO KEEP THE PAVED AREAS OF THE SITE FREE OF DUST, DIRT, AND DEBRIS IF NECESSARY DURING PERIODS OF CONSTRUCTION.
- B. DISPOSE OF ACCUMULATED DIRT IN WASTE CONTAINERS, OR HAUL IT OFF THE SITE TO A LANDFILL.

3. SANITARY/SEPTIC DISPOSAL

PORTABLE TOILETS AND OTHER SANITARY FACILITIES SHALL BE SERVICED WEEKLY AND PUMPED CLEAN BY A WASTE DISPOSAL COMPANY. NO TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED OF IN A PORTABLE TOILET OR IN THE ON-SITE SANITARY SEWER. TOILETS SHALL BE ANCHORED AGAINST OVERTURNING.

4. SPILLS

- A. STORE ADEQUATE ABSORBENT MATERIALS, RAGS, BROOMS, SHOVELS, AND WASTE CONTAINERS ON THE SITE TO CLEAN-UP SPILLS OF MATERIALS SUCH AS FUEL, PAINT, SOLVENTS, OR CLEANERS. CLEAN UP MINOR SPILLS IMMEDIATELY.
- B. FOR REPORTABLE QUANTITY OF HAZARDOUS OR TOXIC SUBSTANCE, SECURE THE SERVICES OF QUALIFIED PERSONNEL FOR CLEAN-UP AND DISPOSAL.

5. CONTROL OF ALLOWABLE NON-STORM WATER DISCHARGES LANDSCAPING IRRIGATION, EROSION CONTROL MEASURES, PIPE FLUSHING AND TESTING, AND PAVEMENT WASHING ARE ALLOWED IF THEY CANNOT FEASIBLY BE ELIMINATED, COMPLY WITH THIS PLAN, DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS, AND ARE NOT REQUIRED TO BE PERMITTED BY THE LOCAL REGIONAL WATER QUALITY CONTROL BOARD.

6. VEHICLES AND EQUIPMENT

- A. FIX LEAKS OF FUEL, OIL AND OTHER SUBSTANCES IMMEDIATELY.
- B. PERFORM REFUELING AND SERVICE OF VEHICLES OR EQUIPMENT OFF-SITE WHEN POSSIBLE. IF REFUELING OR SERVICE OF EQUIPMENT IS PERFORMED ON-SITE, THEN PROVIDE AN IMPERVIOUS, CONTAINED AREA WHERE ANY SPILLS CAN BE CONTAINED WITHOUT FLOWING TO A STORM WATER INLET OR INTO THE GROUND.
- C. USE DRIP PANS TO CATCH LEAKS AND SMALL SPILLS.

7. CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT

- A. DO NOT DISPOSE OF WASHOUT FROM THE WASHING OF CONCRETE TRUCKS, MIXERS, AND HANDLING EQUIPMENT WHERE IT WILL FLOW INTO A STORM WATER INLET OR INTO A PUBLIC STREET.
- B. PROVIDE A HOLDING TANK TO RECEIVE ANY WASHOUT FROM CONCRETE EQUIPMENT. DISPOSAL OF TANK CONTENTS SHALL BE CONDUCTED BY CONTRACTOR.
- C. PROVIDE, DESIGNATE AND POST A SIGN MARKING A DESIGNATED AREA FOR WASHING ANY VEHICLES OR EQUIPMENT. DRAINAGE FROM THIS AREA SHOULD BE CONTAINED OR FLOW TO A HOLDING TANK.

8. LANDSCAPING OPERATIONS

- A. USE ONLY THE MINIMUM AMOUNT OF LANDSCAPING FERTILIZERS, NUTRIENTS, AND OTHER CHEMICALS THAT ARE NEEDED.
- B. DO NOT OVER WATER FERTILIZED OR TREATED LANDSCAPE AREAS. MINIMIZE RUNOFF OF IRRIGATION WATER FROM LANDSCAPING.
- C. DO NOT PLACE LANDSCAPING MATERIAL IN THE STREET ONCE PAVING IS COMPLETE.

9. STORM WATER INLETS

CONTRACTOR SHALL PROVIDE STRAW FILLED BAGS OR SOCKS AROUND INLETS WITHIN 1000 FEET OF CONSTRUCTION AS BARRIERS TO PREVENT SEDIMENT ENTERING THE INLETS. TRAPPED SEDIMENT SHALL BE REMOVED FOLLOWING STORM EVENTS. BARRIERS SHALL BE REMOVED FOLLOWING COMPLETION OF CONSTRUCTION.

E. INSPECTION

1. REGULAR INTERVAL INSPECTION AND INSPECTION BEFORE AND AFTER STORMS

- A. VISUALLY INSPECT THE SITE WEEKLY TO INSURE THAT STORM WATER INLETS ARE FREE OF DIRT AND DEBRIS.
- B. BEFORE A STORM, INSPECT THE SITE TO INSURE THAT STORM WATER POLLUTION CONTROL MEASURES ARE IN PLACE.
- C. AFTER A STORM, INSPECT ALL STORM WATER INLETS TO INSURE THAT THEY ARE CLEAR OF DIRT AND DEBRIS. CLEAN THOSE STORM WATER INLETS THAT ARE NOT CLEAR AND FREE OF DEBRIS.
- D. THE DIVISION OF WATER QUALITY MAY REQUIRE THE DISCHARGER TO CONDUCT ADDITIONAL SITE INSPECTIONS, SUBMIT REPORTS AND CERTIFICATIONS, OR TO PERFORM SAMPLING AND ANALYSIS.

2. CONDUCT INSPECTIONS OF THE CONSTRUCTION SITE PRIOR TO ANTICIPATED STORM EVENTS AND AFTER ACTUAL STORM EVENTS, TO IDENTIFY AREAS CONTRIBUTING TO A STORM WATER DISCHARGE, TO EVALUATE WHETHER MEASURES TO REDUCE POLLUTANT LOADINGS IDENTIFIED IN THIS SWPPP ARE ADEQUATE TO PROPERLY IMPLEMENT IN ACCORDANCE WITH THE TERMS OF THE GENERAL PERMIT, AND TO DETERMINE WHETHER ADDITIONAL CONTROL PRACTICES ARE NEEDED.

3. PREPARATION OF REPORTS AND RETENTION OF RECORDS

- A. EACH DISCHARGER MUST CERTIFY ANNUALLY THAT ITS CONSTRUCTION ACTIVITY IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND THIS SWPPP. THIS CERTIFICATION MUST BE BASED ON THE SITE INSPECTIONS. THE FIRST CERTIFICATION MUST BE COMPLETED BY JULY 1, 2009, AND EACH JULY 1 THEREAFTER.
- B. THE DISCHARGER IS REQUIRED TO RETAIN RECORDS OF ALL MONITORING INFORMATION, COPIES OF ALL REPORTS REQUIRED BY THIS GENERAL PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR CONSTRUCTION ACTIVITY FOR A PERIOD OF AT LEAST THREE YEARS. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE STATE. WITH THE EXCEPTION OF NONCOMPLIANCE REPORTING, DISCHARGERS ARE NOT REQUIRED TO SUBMIT THE RECORDS EXCEPT UPON SPECIFIC REQUEST BY THE STATE DEQ DIVISION OF WATER QUALITY.

- C. DISCHARGERS WHO CANNOT CERTIFY COMPLIANCE MUST NOTIFY THE STATE DEQ DIVISION OF WATER QUALITY. THIS NOTIFICATION SHALL IDENTIFY THE TYPE OR TYPES OF NONCOMPLIANCE, DESCRIBE THE ACTIONS NECESSARY TO ACHIEVE COMPLIANCE, AND INCLUDE A TIME SCHEDULE. SUBJECT TO THE MODIFICATIONS BY THE STATE DEQ DIVISION OF WATER QUALITY, INDICATING WHEN COMPLIANCE WILL BE ACHIEVED. NONCOMPLIANCE REPORTS MUST BE SUBMITTED WITHIN 30 DAYS OF THE IDENTIFICATION OF THE NONCOMPLIANCE.

F. MAINTENANCE OF CONTROLS

1. MAINTENANCE AND REPAIR ALL CONTROLS AND MEASURES INDICATED ON THIS PLAN SHALL BE MAINTAINED IN GOOD AND EFFECTIVE CONDITION. IF ANY CONTROLS OR MEASURES ARE DAMAGED OR REMOVED, THEY SHALL BE PROMPTLY REPAIRED OR RESTORED.
2. PLAN REVISIONS IF CONSTRUCTION ACTIVITY OR CONDITIONS CHANGE FROM THOSE SHOWN IN THIS PLAN, THEN THIS PLAN SHALL BE REVISED TO REFLECT THE CURRENT CONDITIONS.

3. FINAL STABILIZATION AND POST-CONSTRUCTION CONTROLS
 1. AFTER CONSTRUCTION HAS BEEN COMPLETED, THE SITE SHALL BE SWEEP CLEAN, STORM WATER INLETS (GRATES AND BASINS) SHALL BE CLEANED, AND ALL WASTE AND LEFTOVER MATERIALS SHALL BE REMOVED FROM THE SITE.
 2. ALL LANDSCAPING AND PLANTING AREAS SHALL BE WELL MAINTAINED TO PREVENT EROSION. AVOID OVER WATERING OF LANDSCAPING.
 3. ALL PAVED AREAS SHALL BE SWEEP WEEKLY EITHER BY HAND OR BY MECHANICAL MEANS TO KEEP THE SITE CLEAR OF DIRT, DUST, AND DEBRIS.
 4. WASTE MATERIALS ON-SITE SHALL BE STORED IN COVERED CONTAINERS WHICH ARE CLEANED OUT REGULARLY.
 5. TESTING OF FIRE HYDRANTS ON-SITE SHALL NOT BE CONDUCTED UNTIL THE AREA WHERE THE WATER DISCHARGES HAS BEEN SWEEP CLEAN OF DIRT AND DEBRIS.
 6. STORM DRAIN LINES SHALL BE CHECKED AND CLEANED ANNUALLY TO KEEP THEM CLEAN AND CLEAR OF DEBRIS.
 7. ALL ON-SITE STORM WATER INLETS SHOULD BE CLEARLY MARKED "STORM WATER ONLY".

H. COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION

WHEN CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED ON THIS SITE, THE OWNER SHALL FILE A LETTER WITH THE STATE DEQ DIVISION OF WATER QUALITY. THIS LETTER SHALL CERTIFY THAT THE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED, THAT ALL ELEMENTS OF THE SWPPP HAVE BEEN IMPLEMENTED, THAT CONSTRUCTION AND EQUIPMENT MAINTENANCE WASTES HAVE BEEN DISPOSED OF PROPERLY, THAT THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS, POLICES, AND GUIDELINES.

1. "BEST MANAGEMENT PRACTICES" ("BMP'S") MEANS SCHEDULES OF ACTIVITIES, PROHIBITIONS OF PRACTICES, MAINTENANCE PROCEDURES, AND OTHER MANAGEMENT PRACTICES TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF THE UNITED STATES. BMP'S ALSO INCLUDE TREATMENT REQUIREMENTS, OPERATING PROCEDURES, AND PRACTICES TO CONTROL SITE RUNOFF, SPILLAGE OR LEAKS, WASTE DISPOSAL, OR DRAINAGE FROM RAW MATERIAL STORAGE.

2. "CLEAN WATER ACT" ("CWA") MEANS THE FEDERAL WATER POLLUTION CONTROL ACT ENACTED BY PUBLIC LAW 92-500 AS AMENDED BY PUBLIC LAWS 95-217, 95-576, 96-483, AND 97-111; 33 USC 1251 ET SEQ.

3. "CONSTRUCTION SITE" IS THE LOCATION OF THE CONSTRUCTION ACTIVITY.

4. "NON-STORM WATER DISCHARGE" MEANS ANY DISCHARGE TO STORM DRAIN SYSTEMS THAT IS NOT COMPOSED ENTIRELY OF STORM WATER EXCEPT DISCHARGE PURSUANT TO AN NPDES PERMIT AND DISCHARGES RESULTING FROM FIRE FIGHTING ACTIVITIES.

5. "SIGNIFICANT MATERIALS" INCLUDES, BUT IS NOT LIMITED TO RAW MATERIALS; FUELS; MATERIALS SUCH AS SOLVENTS, DETERGENTS, AND PLASTIC PELLETS; FINISHED MATERIALS SUCH AS METALLIC PRODUCTS; RAW MATERIALS USED IN FOOD PROCESSING OR PRODUCTION HAZARDOUS SUBSTANCES DESIGNATED UNDER SECTION 101(14) OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA); ANY CHEMICAL THE FACILITY IS REQUIRED TO REPORT PURSUANT TO SECTION 313 OF TITLE III OF SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA); FERTILIZERS; PESTICIDES; AND WASTE PRODUCTS SUCH AS ASHES, SLAG, AND SLUDGE THAT HAVE THE POTENTIAL TO BE RELEASED WITH STORM WATER DISCHARGES.

6. "SIGNIFICANT QUANTITIES" IS THE VOLUME, CONCENTRATIONS, OR MASS OF A POLLUTANT IN STORM WATER DISCHARGE THAT CAN CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; ADVERSELY IMPACT HUMAN HEALTH OR THE ENVIRONMENT; AND CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY APPLICABLE WATER QUALITY STANDARDS FOR THE RECEIVING WATER.

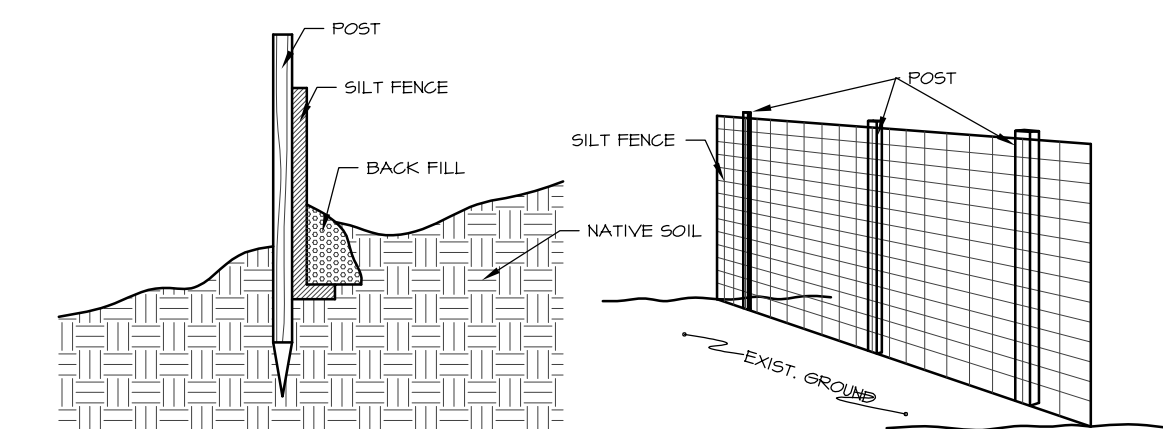
7. "STORM WATER" MEANS STORM WATER RUNOFF, SNOW MELT RUNOFF, SURFACE RUNOFF AND DRAINAGE. IT EXCLUDES INFILTRATION AND RUNOFF FROM AGRICULTURAL LAND.

8. "POLLUTION" MEANS THE "MAN-MADE OR MAN-INDUCED ALTERATION OF THE CHEMICAL, PHYSICAL, BIOLOGICAL, AND RADIOLOGICAL INTEGRITY OF WATER" [CLEAN WATER ACT SECTION 502(19)]. POLLUTION ALSO MEANS "AN ALTERATION OF THE QUALITY OF THE WATERS OF THE STATE BY WASTE TO A DEGREE WHICH UNREASONABLY AFFECTS EITHER... THE WATERS FOR BENEFICIAL USES... OR FACILITIES WHICH SERVE THESE BENEFICIAL USES." [CALIFORNIA WATER CODE SECTION 13050(i)]

9. "CONTAMINATION" MEANS "AN IMPAIRMENT OF THE QUALITY OF THE WATERS OF THE STATE BY WASTE TO A DEGREE WHICH CREATES A HAZARD TO THE PUBLIC HEALTH THROUGH POISONING OR THROUGH THE SPREAD OF DISEASE...INCLUDING ANY EQUIVALENT EFFECT RESULTING FROM THE DISPOSAL OF WASTE, WHETHER OR NOT WATERS OF THE STATE ARE AFFECTED."

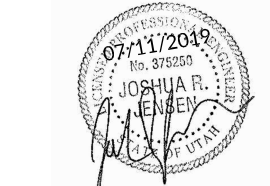
10. "NUISANCE" MEANS "ANYTHING WHICH MEETS ALL OF THE FOLLOWING REQUIREMENTS: (1) IS INJURIOUS TO HEALTH, OR IS INDICENT OR OFFENSIVE TO THE SENSES, OR AN OBSTRUCTION TO THE FREE USE OF PROPERTY, SO AS TO INTERFERE WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTY; (2) AFFECTS AT THE SAME TIME AN ENTIRE COMMUNITY OR NEIGHBORHOOD, OR ANY CONSIDERABLE NUMBER OF PERSONS, ALTHOUGH THE EXTENT OF THE ANNOYANCE OR DAMAGE INFLICTED UPON INDIVIDUALS MAY BE UNEQUAL; (3) OCCURS DURING OR AS A RESULT OF THE TREATMENT OR DISPOSAL OF WASTES."

11. "LOCAL AGENCY" MEANS ANY AGENCY THAT IS INVOLVED WITH REVIEW, APPROVAL, OR OVERSIGHT OF THE CONSTRUCTION SITES'
 - (a) CONSTRUCTION ACTIVITY,
 - (b) EROSION AND SEDIMENT CONTROLS, (c) STORM WATER DISCHARGE.

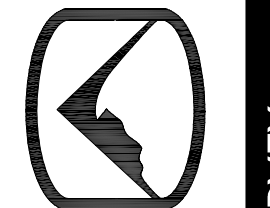


SILT FENCE DETAIL

SEAL:



177 E. ANTELOPE DR., STE. B
LAYTON, UT 84041
PHONE: (801) 499-5054



SILVERPEAK ENGINEERING

WWW.SILVERPEAKENG.COM



STRUCTURAL SURVEY

CHALLENGER PALLETS
APPROX. 1175 WEST 2150 NORTH
OGDEN, UTAH

DATE: 07/11/19

PROJECT: 19-048

DRAWN BY: C.G.R.

REVISIONS:

SWPPP NOTES

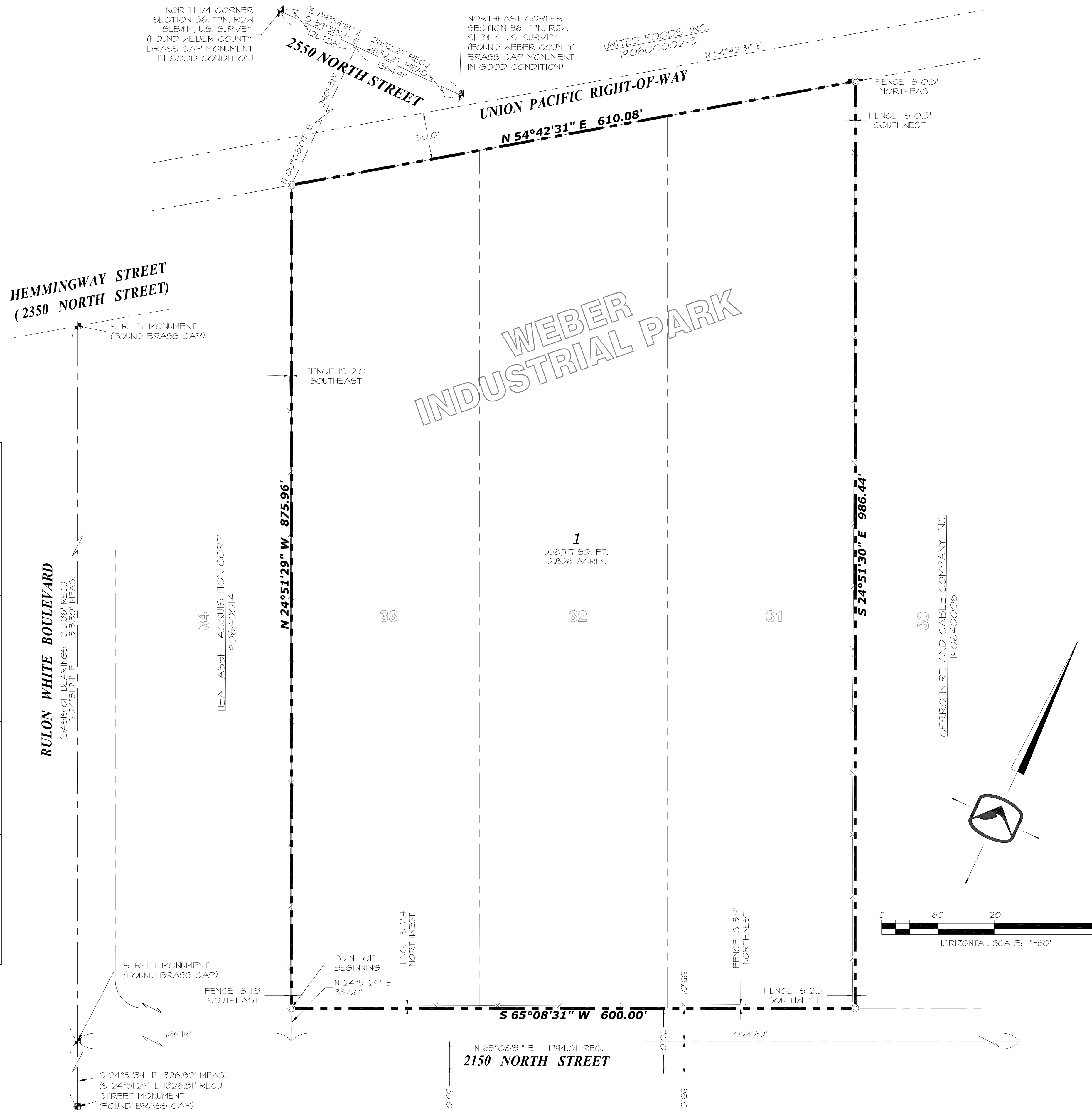
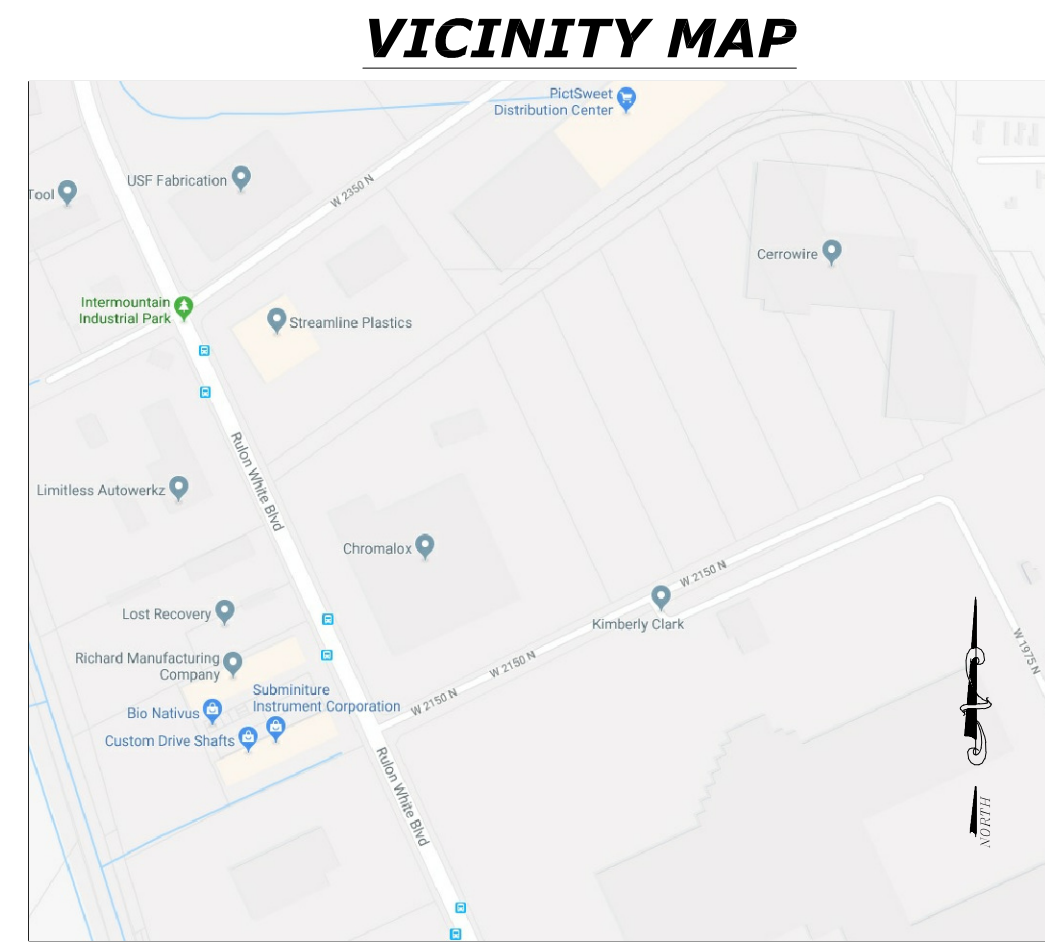
SHEET NUMBER:

C501

WEBER INDUSTRIAL PARK - PLAT "B"-2ND AMENDMENT

AMENDING LOTS 31, 32 AND 33

A SUBDIVISION LOCATED IN THE EAST HALF OF SECTION 36, TOWNSHIP 7 NORTH, RANGE 2 WEST, SALT LAKE BASE AND MERIDIAN, WEBER COUNTY, UTAH



SURVEYOR'S CERTIFICATE

I, JASON T. FELT DO HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 9239283 IN ACCORDANCE WITH TITLE 58 CHAPTER 22, PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS LICENSING ACT IN THE STATE OF UTAH, AND DO HEREBY CERTIFY THAT IN ACCORDANCE WITH SECTION 17-23-17, AND BY AUTHORITY OF THE OWNERS, I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, BASED ON APPLICABLE DATA COMPILED FROM OFFICIAL RECORDS, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, STREETS, AND EASEMENTS, HEREAFTER TO BE KNOWN AS:

WEBER INDUSTRIAL PARK - PLAT "B" - 2ND AMENDMENT

AND THAT THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT; I FURTHER CERTIFY THAT ALL LOTS MEET FRONTAGE WIDTH AND AREA REQUIREMENTS OF THE APPLICABLE ZONING ORDINANCES.

BOUNDARY DESCRIPTION

ALL OF LOTS 31, 32, AND 33, WEBER INDUSTRIAL PARK - PLAT "B" AS RECORDED WITH THE WEBER COUNTY RECORDER, BEING A PART OF THE EAST HALF OF SECTION 36, TOWNSHIP 7 NORTH, RANGE 2 WEST, SALT LAKE BASE AND MERIDIAN, U.S. SURVEY, WEBER COUNTY, UTAH

BEGINNING AT A POINT ON THE NORTHERLY LINE OF 2150 NORTH STREET, BEING 164.14 FEET NORTH 65°08'31" EAST ALONG THE CENTER LINE OF SAID 2150 NORTH STREET, AND 35.00 FEET NORTH 24°51'29" WEST FROM THE BRASS CAP MONUMENT AT THE INTERSECTION OF SAID 2150 NORTH STREET AND RULON WHITE BOULEVARD; THENCE NORTH 24°51'29" WEST 875.96 FEET ALONG THE EASTERLY LINE OF LOT 34, SAID WEBER INDUSTRIAL PARK - PLAT "B", TO THE SOUTHERLY LINE OF UNION PACIFIC RIGHT-OF-WAY; THENCE NORTH 54°42'31" EAST 610.08 FEET ALONG SAID SOUTHERLY LINE; THENCE SOUTH 24°51'30" EAST 986.44 FEET ALONG THE WESTERLY LINE OF LOT 30, SAID WEBER INDUSTRIAL PARK - PLAT "B", TO SAID NORTHERLY LINE OF 2150 NORTH STREET; THENCE SOUTH 65°08'31" WEST 600.00 FEET ALONG SAID NORTH LINE TO THE POINT OF BEGINNING.

CONTAINS: 12.826 ACRES

NARRATIVE

BRASS CAP MONUMENTS WERE FOUND ALONG THE CENTERLINE OF RULON WHITE BOULEVARD AT 1975 NORTH STREET, AT 2150 NORTH STREET, AND HEMMINGWAY STREET AS SHOWN HEREON. BRASS CAP MONUMENTS WERE FOUND FOR THE NORTH QUARTER CORNER AND NORTHWEST CORNER OF SECTION 36, TOWNSHIP 7 NORTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN.

A LINE BEARING SOUTH 24°51'29" EAST BETWEEN SAID BRASS CAP MONUMENTS AT THE INTERSECTION OF RULON WHITE BOULEVARD AND 2150 NORTH STREET AND THE INTERSECTION OF RULON WHITE BOULEVARD AND HEMMINGWAY STREET (2350 NORTH STREET) PER THE ORIGINAL PLAT OF RECORD FOR WEBER INDUSTRIAL PARK - PLAT "B".

OWNER'S DEDICATION

(WE), THE UNDERSIGNED OWNER(S) OF THE HEREON DESCRIBED TRACT OF LAND, HEREBY SET APART AND SUBDIVIDE THE SAME TRACT INTO LOTS AS SHOWN ON THIS PLAT, AND ASSIGN THE LANDS INCLUDED IN THIS PLAT THE NAME OF WEBER INDUSTRIAL PARK - PLAT "B" - 2ND AMENDMENT.

SIGNED THIS ___ DAY OF _____ 2019.

ACKNOWLEDGMENT

STATE OF UTAH
 COUNTY OF WEBER } ss

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ___ DAY OF _____, 2019 BY _____

RESIDING AT: _____ NOTARY PUBLIC (PRINT NAME)

COMMISSION NUMBER: _____

MY COMMISSION EXPIRES: _____ NOTARY PUBLIC SIGNATURE

WEBER INDUSTRIAL PARK - PLAT "B"-2ND AMENDMENT

A SUBDIVISION, LOCATED IN THE EAST HALF OF SECTION 36, TOWNSHIP 7 NORTH, RANGE 2 WEST, SALT LAKE BASE AND MERIDIAN, WEBER COUNTY, UTAH

WEBER COUNTY SURVEYOR

I CERTIFY THAT THE WEBER COUNTY SURVEYOR'S OFFICE HAS REVIEWED THIS PLAT FOR MATHEMATICAL CORRECTNESS, SECTION CORNER DATA, AND FOR HARMONY WITH LINES AND MONUMENT ON RECORD IN COUNTY OFFICES. THE APPROVAL OF THIS PLAT BY THE WEBER COUNTY SURVEYOR DOES NOT RELIEVE THE LICENSED LAND SURVEYOR WHO EXECUTED THIS PLAT FROM THE RESPONSIBILITIES AND/OR LIABILITIES ASSOCIATED THEREWITH.

SIGNED THIS ___ DAY OF _____ 2019.

WEBER COUNTY SURVEYOR

WEBER COUNTY ATTORNEY

I HAVE EXAMINED THE FINANCIAL GUARANTEE AND OTHER DOCUMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, AND IN MY OPINION THEY CONFORM WITH THE COUNTY ORDINANCE APPLICABLE THERETO AND NOT IN FORCE AND AFFECT.

SIGNED THIS ___ DAY OF _____ 2019.

WEBER COUNTY ATTORNEY

WEBER COUNTY PLANNING COMMISSION APPROVAL

THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT WAS DULY APPROVED BY THE WEBER COUNTY PLANNING COMMISSION.

SIGNED THIS ___ DAY OF _____ 2019.

CHAIRMAN, WEBER COUNTY PLANNING COMMISSION

WEBER COUNTY ENGINEER

I HEREBY CERTIFY THAT THE REQUIRED PUBLIC IMPROVEMENT STANDARDS AND DRAWINGS FOR THIS SUBDIVISION CONFORM WITH COUNTY STANDARDS AND THE AMOUNT OF THE FINANCIAL GUARANTEE IS SUFFICIENT FOR THE INSTALLATION OF THESE IMPROVEMENTS.

SIGNED THIS ___ DAY OF _____ 2019.

WEBER COUNTY ENGINEER



177 E. ANTELOPE DR. STE. B
 LAYTON, UT 84041
 PHONE: (801) 499-5054
 FAX: (801) 499-5065

WEBER COUNTY COMMISSION ACCEPTANCE

THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT, THE DEDICATION OF STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION, THEREON ARE HEREBY APPROVED AND ACCEPTED BY THE COMMISSIONERS OF WEBER COUNTY, UTAH.

THIS ___ DAY OF _____ 2019.

CHAIRMAN, WEBER COUNTY COMMISSION

WEBER COUNTY RECORDER

ENTRY NO. _____ FEE PAID _____ FILED FOR RECORD AND RECORDED _____ 2019 AT _____ IN BOOK _____ OF OFFICIAL RECORDS PAGE _____ RECORDED FOR _____ CITY. _____ WEBER COUNTY RECORDER BY: _____ DEPUTY