19. All new street paving, driveways, sidewalks, and curb and gutters, abutting
15. All reinforcing steel to be grade 60.
12. Minimum bottom width of trenches for rigid pipe shall be equal to the outside diameter plus 16 inches. Bedding material shall be class II, III, or IV unless otherwise specified on the plans.
10. Contractor will confine his work within the construction easement limits and will coordinate with the city of rio rancho so the conflict can be resolved with minimum impact.
8. The contractor shall be responsible for the cleanup and reporting of spills of hazardous materials involved in the construction. Contractor's hazardous materials permit shall be in accordance with applicable government regulations.
7. Accurate drawings and specifications shall be submitted by the contractor. Contractor shall be responsible for the accuracy of all materials used and to keep it from washing off the project site.
6. The contractor shall coordinate the construction activities with all other contractors and utilities to prevent material damage or loss of these existing utilities. Means and methods shall be adequate to conform to the size and material property requirements set forth in the specifications.
5. The contractor is to exercise care to avoid disturbing any existing underground utilities. It will be the contractor's responsibility to coordinate with utility companies working in the same area. The contractor shall notify the utility companies and contractors working in the same area of the project area within four days of excavation. Spoil piles will be allowed outside of the limits shown on the plans. Additional re-seeding will be required if any inadvertent disturbance to the existing vegetation occurs.
4. Where described on the plans, existing utilities shall be reboxed in accordance with standard specifications 1012. Stabilizing and backfilling pipes shall be done in a manner that will prevent the ingress of surface water. The contractor shall maintain a graffiti-free site. Contractor shall promptly notify the affected owner in accordance with the specifications.
3. The contractor shall promptly repair any damage or loss of these existing utilities. Means and methods shall be adequate to prevent material damage or loss of these existing utilities. The contractor shall notify the utility companies and contractors working in the same area of the project area within four days of excavation. Spoil piles will be allowed outside of the limits shown on the plans. Additional re-seeding will be required if any inadvertent disturbance to the existing vegetation occurs.
2. The contractor shall promptly remove any material excavated within the public right of way of any identity post assigned by the project site.
1. The contractor shall ensure that no soil erosion occurs on or above property or construction temporary vehicles center, center of all existing site grades to the property line and as needed to prevent erosion of sediment into channels.

LEGAL NOTES:
1. If providing in excess of the full size, 24"x36", utilize map scale in lieu of numeric scale.

DRAWING SIZE NOTES:
20"x20", 20"x30", 24"x36".

LEGEND:
ARROYO FLOOD CONTROL AUTHORITY (SSCAFCA) - ANDRES SANCHEZ, PE PROJECT MANAGER. RANCHO, HAUL PERMIT COSTS AND COORDINATION WITH THE CITY OF RIO RANCHO IS UNDER THE SSCAFCA PROJECT MANAGER TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

CONTACTS:
GECO/RS CO-LINK: ANDREW BACCHENI (505) 891-5040
CITY OF RIO RANCHO CONTACT: JOE MAUSER, P.E. (505) 891-5040
GENERAL NOTES:
1. MEASUREMENTS ARE BASED UPON NEW MEXICO STATE PLANE GRID (DOWNEARTH, NAD 83 CENTRAL ZONE) AND WERE DERIVED BY GPS RTK OBSERVATIONS REFERENCED TO THE EXISTING S.S.C.A.F.C.A. CONTROL MONUMENT "SP-2" AS WELL AS THE S.S.C.A.F.C.A. CONTROL MONUMENT "BC". GENERAL NOTES:
3. ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM, AND ARE REFERRED TO THE S.S.C.A.F.C.A. CONTROL MONUMENT "SP-2" AS WELL (PUBLISHED ELEVATION = 5623.03').
4. THE COORDINATES AND ELEVATIONS SHOWN HEREIN ARE EXPRESSED IN U.S. SURVEY FEET.

CONSTRUCTION NOTES:
1. ALL CONSTRUCTION SHALL REMAIN WITHIN SSCAFCA R/W AND TEMPORARY CONSTRUCTION EASEMENTS (TCE) OBTAINED BY SSCAFCA.
2. IN THE EVENT OF EXCESS MATERIAL AT SEDIMENT STOCK PILE LOCATIONS, COORDINATE WITH AND PROVIDE SSCAFCA PROJECT MANAGER 48-HOURS PRIOR NOTICE FOR HAULING SEDIMENT.
NOTE:
1. TRAFFIC CONTROL: CONTRACTOR TO COORDINATE WITH THE CITY OF RIO RANCHO, DAVID SERRANO, P.E. (505) 891.5059 FOR ALL PERMITS AND OTHER ITEMS RELATED TO TRAFFIC CONTROL.
2. CONTRACTOR SHALL FLAG AND PROTECT ARCHAEOLOGICAL SITE DURING CONSTRUCTION.

LEGEND
PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
EXISTING WALL
EXISTING EASEMENT
HAUL ROUTE
OPTIONAL HAUL ROUTE
CONTACT CORR DEVELOPMENT DEPARTMENT
OPTIONAL STAGING AREA/FUTURE SEDIMENT STOCKPILE AREA
TO BE USED FOR ACCESS
OPTIONAL STAGING AREA/FUTURE SEDIMENT STOCKPILE AREA TO BE RE-SEEDED IF DISTURBED (INCIDENTAL)
1. INSTALL 5-STRAND BARBLESS WIRE FENCE, SEE DETAIL SHEET C-500
2. INSTALL FENCE BRACKETS 0.5' OUTSIDE FENCE @ 50' INTERVAL
3. PLACE FENCE 0.5' INSIDE PROPERTY LINE UNLESS OTHERWISE SHOWN
4. 16' WIDE PIPE GATE, SEE DETAILS SHEET C-500
5. EXACT LOCATION OF GAS LINES IS UNKNOWN. LOCATE GAS LINE PRIOR TO ANY DIGGING. DO NOT START ANY DIGGING ON THE GAS LINE AREA UNTIL GAS LINE IS LOCATED OR YOUR PROJECT MANAGER NOTI NTS LOCATION OF GAS LINE.

LEGEND

PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
EXISTING WALL
EXISTING CULVERT
EXISTING DRIVEWAY
EXISTING FENCE
EXISTING 5 STRAND FENCE
EXISTING CABLE FENCE
EXISTINGbies
EXISTING TELEPHONE CABLE
EXISTING ELECTRICITY CABLE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
PROPERTY LINE
EXISTING FENCE
EXISTING 5 STRAND FENCE
EXISTING CABLE FENCE
EXISTING TELEPHONE CABLE
EXISTING ELECTRICITY CABLE

GENERAL NOTES:

1. INSTALL 5-STRAND BARBLESS WIRE FENCE, SEE DETAIL SHEET C-500
2. INSTALL FENCE BRACKETS 0.5' OUTSIDE FENCE @ 50' INTERVAL
3. PLACE FENCE 0.5' INSIDE PROPERTY LINE UNLESS OTHERWISE SHOWN
4. 16' WIDE PIPE GATE, SEE DETAILS SHEET C-500
5. EXACT LOCATION OF GAS LINES IS UNKNOWN. LOCATE GAS LINE PRIOR TO ANY DIGGING. DO NOT START ANY DIGGING IN THE GAS LINE AREA UNTIL GAS LINE IS LOCATED OR YOUR PROJECT MANAGER NOTIFIES LOCATION OF GAS LINE.

SCALE: 1" = 50'

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LEGEND

PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
EXISTING WALL
EXISTING CULVERT
EXISTING DRIVEWAY
EXISTING FENCE
EXISTING 5 STRAND FENCE
EXISTING CABLE FENCE
EXISTING TELEPHONE CABLE
EXISTING ELECTRICITY CABLE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
PROPERTY LINE
EXISTING FENCE
EXISTING 5 STRAND FENCE
EXISTING CABLE FENCE
EXISTING TELEPHONE CABLE
EXISTING ELECTRICITY CABLE

GENERAL NOTES:

1. INSTALL 5-STRAND BARBLESS WIRE FENCE, SEE DETAIL SHEET C-500
2. INSTALL FENCE BRACKETS 0.5' OUTSIDE FENCE @ 50' INTERVAL
3. PLACE FENCE 0.5' INSIDE PROPERTY LINE UNLESS OTHERWISE SHOWN
4. 16' WIDE PIPE GATE, SEE DETAILS SHEET C-500
5. EXACT LOCATION OF GAS LINES IS UNKNOWN. LOCATE GAS LINE PRIOR TO ANY DIGGING. DO NOT START ANY DIGGING ON THE GAS LINE AREA UNTIL GAS LINE IS LOCATED OR YOUR PROJECT MANAGER NOTIFIES LOCATION OF GAS LINE.

SCALE: 1" = 50'

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CURVE TABLE

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1. INSTALL 5-STRAND BARBLESS WIRE FENCE, SEE DETAIL SHEET C-500
2. INSTALL FENCE SPACING ON LINTE FENCE @ 30" INTERVAL
3. PLACE FENCE IF NECESSARY PROPERTY LINE IF ALLENS OTHERWISE SHOWN
4. INSTALL GATE PER SHEET C-500
5. EXACT LOCATION OF GAS LINE IS UNKNOWN, LOCATE GAS LINE PRIOR TO ANY WORKING DO NOT START ANY WORKING IN THE GAS LINE AREA UNLESS GAS LINE IS LOCATED INFORM PROJECT MANAGER WITH LOCATION OF GAS LINE

LEGEND
PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
CONTOUR MAJOR
CONTOUR MINOR
SIDE OF ROAD
EXISTING FENCE
EXISTING DRIVEWAY
EXISTING WATER
PROPOSED WATER
ELECTRICITY
TELEPHONE
CABLE TV

GENERAL NOTES:
1. INSTALL 5-STRAND BARBLESS WIRE FENCE, SEE DETAIL SHEET C-500
2. INSTALL FENCE SPACING ON LINTE FENCE @ 30" INTERVAL
3. PLACE FENCE IF NECESSARY PROPERTY LINE IF ALLENS OTHERWISE SHOWN
4. INSTALL GATE PER SHEET C-500
5. EXACT LOCATION OF GAS LINE IS UNKNOWN, LOCATE GAS LINE PRIOR TO ANY WORKING DO NOT START ANY WORKING IN THE GAS LINE AREA UNLESS GAS LINE IS LOCATED INFORM PROJECT MANAGER WITH LOCATION OF GAS LINE

LEGEND
PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
CONTOUR MAJOR
CONTOUR MINOR
SIDE OF ROAD
EXISTING FENCE
EXISTING DRIVEWAY
EXISTING WATER
PROPOSED WATER
ELECTRICITY
TELEPHONE
CABLE TV
REMOVE AND DISPOSE EXISTING CULVERT.
CONTRACTOR NEEDS TO PROTECT WATERLINE WHILE REMOVING THE CULVERT.

REMOVE AND SALVAGE EXISTING SIGN TO SSCAFCA.
GENERAL NOTES:
1. Surveyed area bounded by New Mexico State Plane Grid Merge A (and
   Elevation Zone) and mile served by Dc-206 Designations.
2. Points for the designated C.P.'s are derived from New Mexico State Plane
   Coordinates and here scaled by the Project Engineer.
3. The coordinates and elevations shown herein are presented in
   U.S. Survey feet.
4. Field surveying was conducted on October 22-25, 2019.

CONSTRUCTION NOTES:
1. All construction is based upon existing contours, plan, and temporary
   construction coordinates (C.O.'s) obtained by SSCAFCA.
2. In the event of access material at segment pile locations,
   coordinates for all permanent engineering project managers as present
   position of structure for holding guidelines.

KEYED NOTES:
1. WATER PIPELINE, 8 IN. DIAL HOLE.
2. ACCESS ROAD, 6" AGGREGATE BASE COURSE SURFACE.
3. PRINCIPAL SPILLWAY CUT-OUT PIPE.
4. ROADWAY SWALES, SEE SHEET C-111.
5. 16" CULVERT PIPE WITH 3:1 AND 4:1 DETAIL ON SHEET C-108 AND C-110.
6. FLOODPOOL, BLOOM OF EXISTING ARROYOS.
7. PORTED DRAIN TO FACILITATE THE REMOVAL OF LARGE DEBRIS &
   FLOATING, SEE SHEET C-108 AND C-110.
8. EMERGENCY SPILLWAY CHANNEL.
9. INSTALL RACER CIRCUIT CONTROL STRUCTURE PER DETAIL ON SHEET C-109.
10. INSTALL RIP RAP GRIZZARD CONTROL PER SHEET C-110.

LEGEND
PROPERTY LINE
EXISTING CONTOUR MAJOR
EXISTING CONTOUR MINOR
EXISTING POND
EXISTING SQUARE
EXISTING VALLEYS
EXISTING GUNFLINT
EXISTING WATERLINE
EXISTING GAS LINE
EXISTING SANITARY SEWER
20" HIGH PRESSURE GAS
24" HIGH PRESSURE GAS
ELECTRICITY
TELEPHONE
CABLE TV
ARCHAEOLOGICAL SITE

SCALE: 1" = 50'
CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL REMAIN WITHIN SSCAFCA R/W AND TEMPORARY CONSTRUCTION EASEMENTS (TCE) OBTAINED BY SSCAFCA.

2. IN THE EVENT OF EXCESS MATERIAL AT SEDIMENT STOCKPILE LOCATIONS: COORDINATE WITH AND PROVIDE SSCAFCA PROJECT MANAGER 48-HOURS PRIOR TO HAULING SEDIMENT.

3. CONTRACTOR TO FIELD VERIFY LOCATION OF HIGH PRESSURE GAS LINES PRIOR TO OVER EXCAVATION. CONTRACTOR TO BE SURE NOT TO DAMAGE GAS LINES DURING OVER EXCAVATION.

4. CONTRACTOR TO END OVER EXCAVATION 5' FROM GAS LINES.
SECTION A-A - EMERGENCY SPILLWAY TYPICAL CROSS SECTION

RIP RAP SECTION - TYPE VL

RIP RAP SECTION - TYPE M

RIP RAP SECTION - TYPE L

6" RIP RAP

GRAVEL MULCH RESEEDING

2'

35'

DUMPED RIP RAP

MATERIAL

GRAVEL MULCH RESEEDING

DUMPED MATERIAL

RIP RAP

24"

FILTER RIP RAP

MATERIAL

18"

FILTER RIP RAP

12"

FILTER RIP RAP

3:1

5600

5605

5608

4:1

5600

5605

5608

6:1

5595

5600

5604

3:1

5607

5610

5613

5599

5600

5602

4:1

5601

5605

5608

5605

5605

5605

1. ACCESS ROAD, 6" AGGREGATE BASE COURSE SURFACE.

2. IN THE EVENT OF EXCESS MATERIAL AT SEDIMENT STOCK PILE LOCATIONS:

3. ENGINEER TO APPROVE RIPRAP SAMPLE PROVIDED BY CONTRACTOR PRIOR TO CONSTRUCTION.

4. EMERGENCY SPILLWAY CHANNEL.

LEGEND

PROPERTY LINE

SERVES MULCH RESEEDING

TYPE VL DUMPED RIPRAP - D

TYPE L DUMPED RIPRAP - D

TYPE M DUMPED RIPRAP - D

SEEDING PER NMDOT SPECIFICATION

SECTION 632

SEEDING PER NMDOT SPECIFICATION

SECTION 632

SECTION 632

BASE COURSE

SHOTCRETE

SHOTCRETE

SHOTCRETE

SHOTCRETE

CLASSIFICATION GRADATION

<table>
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<tr>
<th>DESIGNATION</th>
<th>MAX. DIMENSIONS</th>
<th>%SMALLEST</th>
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[1] Kt = mean particle size

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LEGEND

PROPERTY LINE
GRAY ROCK RESIDUE
TYPE L DUMPED RIPRAP = 12"
TYPE VL DUMPED RIPRAP = 18"
TYPE M DUMPED RIPRAP = 24"
FILTER MATERIAL
BASE COURSE
Gravel Mulch ReSeeding
SEEDING PER NMDOT SPECIFICATION
RIP RAP SECTION - TYPE VL
RIP RAP SECTION - TYPE M
RIP RAP SECTION - TYPE L

CONSTRUCTION NOTES:
1. ALL CONSTRUCTION SHALL REMAIN WITHIN SSCAFCA R/W AND TEMPORARY CONSTRUCTION BOUNDARIES (TO BE OBTAINED BY SSCAFCA).
2. IN THE EVENT OF EXCESS MATERIAL AT SEDIMENT STOCK PILE LOCATIONS, CONTRACTOR SHALL PROVIDE SSCAFCA PROJECT MANAGER 48 HOURS PRIOR TO REMOVAL.
3. CONTRACTOR SHALL SUBMIT RIPRAPP SAMPLE PROVIDED BY CONTRACTOR PRIOR TO CONSTRUCTION.

CLASSIFICATION GRADATION

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>MIN. DIMENSIONS</th>
<th>% SMALLER</th>
<th>K(1)</th>
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</thead>
<tbody>
<tr>
<td>TYPE VL</td>
<td>12 (0.30) 30-70</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>6 (0.15) 50-70</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 (0.10) 55-70</td>
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<tr>
<td>TYPE L</td>
<td>18 (0.40) 100</td>
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<tr>
<td></td>
<td>12 (0.30) 50-70</td>
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<tr>
<td></td>
<td>3 (0.10) 70-90</td>
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<tr>
<td>TYPE M</td>
<td>24 (0.60) 100</td>
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<tr>
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<td>18 (0.40) 50-70</td>
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</tr>
<tr>
<td></td>
<td>6 (0.15) 90-100</td>
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</tr>
</tbody>
</table>

(1) K = mean particle size

FILTER MATERIAL
FILTER MATERIAL SHALL BE CONSIST OF CRUSHED ROCK MEETING THE FOLLOWING GRADATION OR ENGINEER APPROVED EQUIVALENT

U.S. STANDARD (NO. 200)

<table>
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<tr>
<th>MAX. DIA.</th>
<th>#200</th>
<th>#400</th>
<th>#200</th>
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<tbody>
<tr>
<td></td>
<td>60</td>
<td>0.4</td>
<td>0.2</td>
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FILTER MATERIAL SHALL BE PLACED BELOW THE RIP RAP AS SHOWN. MINERAL FILL MATERIALS SHALL BE TAMPERED AND COMPACTED TO FORM THE STABILIZED SUBBASE MATERIALS. THE FILTER MATERIAL SHALL FORM A SMOOTH, EVEN AND FIRM FOUNDATION OF THE OVERLYING RIP RAP. THE FILTER MATERIAL SHALL BE TAMPED AND SHAPED TO FORM THE CORRECT SHAPED RIDGE OF THE RIP RAP.

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GENERAL NOTES:
1. All construction shall remain within SSCAFCA ROW, ROWWAY and temporary construction easements (if any) defined by SSCAFCA.
2. Elevations are based upon the NAVD 88 datum, and are expressed in U.S. survey feet.
3. The coordinates and elevations shown herein are expressed in U.S. survey feet.
4. Erosion and sediment control measures will be implemented on all project work areas.

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LEGEND
EXISTING PROPERTY LINE
EXISTING SANITARY SEWER
EXISTING GAS LINE
EXISTING WALL
EXISTING FENCE
EDGE OF ROAD
EXISTING CONTOUR MINOR
EXISTING CONTOUR MAJOR
20" HIGH PRESSURE GAS
20" HIGH PRESSURE GAS
16" HIGH PRESSURE GAS
16" HIGH PRESSURE GAS
5971 JEFFERSON STREET SUITE 101 ALBUQUERQUE, NEW MEXICO 87109
WWW.RESPEC.COM PHONE: (505) 253-9718

PROJECT NO. 03898
DATE: 04/2020
SCALE: 1" = 10'
INSTALL STORM DRAIN INLET 'D' PER DETAIL,
INSTALL 20'x20' RIPRAP PLUNGE POOL PER DETAIL,
X 88.39 LF
S
INSTALL END SECTION PER DETAIL, SHEET C-509.
S
INSTALL 2 - 4'x4' TYPE II MDI PER NMDOT SERIALS
GENERAL NOTES:
1. BEARINGS ARE BASED UPON NEW MEXICO STATE PLANE GRID MURRAHE AND E4-Central Zone and were derived by GPS RTK observations referenced to the existing S.S.C.A.F.C.A. control monument "EL=5608" as well as published elevation (EL=5623.03').
2. SCALE: 1" = 20'
3. THE PROGRESSIVE STREAM DRAINAGE SYSTEM IS TO BE PLANNED, DESIGNED AND PROJECTED TO COMPLY WITH CURRENT PUBLISHED FEDERAL, STATE AND LOCAL REQUIREMENTS AND REGULATIONS.
5. CONSTRUCTION NOTES:
1. ALL CONSTRUCTION SHALL REMAIN WITHIN SSCAFCA R/W AND TEMPORARY CONSTRUCTION EASEMENTS (TCE) OBTAINED BY SSCAFCA.
2. IN THE EVENT OF EXCESS MATERIAL AT SEDIMENT STOCK PILE LOCATIONS: COORDINATE WITH AND PROVIDE SSCAFCA PROJECT MANAGER 48-HOURS PRIOR NOTICE FOR HAULING SEDIMENT.
1. CONCRETE WALL, SEE PLANS.

2. REVERSE INCLINE PORT OPENING.

3. BLOCKOUT OPENING.

4. REVERSE INCLINE PORT OPENING.

5. 2"x2"x0.160 GAUGE GALVANIZED REVERSE INCLINE WIER OPENING.

6. 1/4"Øx1 1/2" GALVANIZED TAPCON BLOCKOUT (DRAIN PORT) OPENING.

7. 3/16"Øx1x0'-1" GALVANIZED BAR AS LOCK TAB 1. CONCRETE WALL, SEE PLANS.

2. GALVANIZED STEEL BEAM, SEE PLANS.

3. (2) HEAVY DUTY BARREL TYPE EMBED PLATE #4 REBAR AT 4" O.C. EACH WAY, OF STRUCTURE.

4. 1/4x2xLENGTH REQUIRED GALVANIZED BLOCKOUT OPENING.

5. 3/8"Øx4x0'-6" GALVANIZED SHEAR PLATE.

6. 2x2x1/4 GALVANIZED GRATE SUPPORTlockation of 30" Wide MINIMUM LOCKING HATCH.

7. 1 3/4"x3/16" GALVANIZED SHEAR TAB STEEL BEAM AT CONCRETE WALL.

8. REVERSE INCLINE WIER OPENING.

9. 3/8"Øx3x0'-6" GALVANIZED SHEAR PLATE.

10. 3/16"Øx4" GALVANIZED ANGLE.

11. 5/8"Øx6" expansions BOLT. SADDLE PLATE FORMED AS SHOWN WITH 3/8"Ø GALVANIZED WELDING WIRE MESH. WELD TO BE PER AWS D1.4. GALVANIZE ALL FIELD WELDS USING ZINC-RICH GALVANIZING PAINT. X OR FIELD WELDED AND FINISH REPAIRED. MAY BE SHOP WELDED AND GALVANIZED AT CONTRACTORS OPTION, SHEAR TAB may be shop welded and galvanized as occurs.

12. 1/8"Øx12" EXPANSION BOLT. SADDLE PLATE FORMED AS SHOWN WITH 3/8"Ø GALVANIZED WELDING WIRE MESH. WELD TO BE PER AWS D1.4. GALVANIZE ALL FIELD WELDS USING ZINC-RICH GALVANIZING PAINT. X OR FIELD WELDED AND FINISH REPAIRED. MAY BE SHOP WELDED AND GALVANIZED AT CONTRACTORS OPTION, SHEAR TAB may be shop welded and galvanized as occurs.

13. 2" OF END OF HATCH.

14. 24" O.C. HEADED ANCHORS AT 24" O.C. ELSEWHERE. INSTALL TAPCON SCREWS PER MANUFACTURERS RECOMMENDATIONS.

15. MINIMUM LOCKING HATCH.

16. 2" 2" SECTION AT ACCESS HATCH.

17. GRATES / GRAITE DETAILS

18. GRATING PLAN VIEWS / DETAILS

19. SHEET:

20. DPI CHK:

21. DATE:

22. CHECKED BY:

23. DRAWN BY:

24. DESIGNED BY:

25. PROJECT NO.
NOTES:
1. 6" concrete slab on grade.
2. 4" concrete wall.
3. PVC formed reverse incline port openings.
4. 4" #5 bar openings beyond.
5. Horizontal bars at 12" O.C. max.
6. Stud wall with standard support angle with galv. brackets where required.
7. Axial loads must be designed for any openings.
8. Thicken slab centered under support angle.
9. #5 bar at all exposed edges.
10. Line of demarcation and completed fall.
11. 3/8" slab relief.

1. 6'-6" 11 4" #5 verticals with standard wall. See detail 4/G.S.N. for adjustable edge.
2. 6"Ø PVC formed reverse incline port.
3. 6"Ø PVC reverse incline port, typical at each corner.
4. Vertical bars centered.
5. 2x2x1/4 galvanized grate.
6. Vertical bars centered.
7. 2x2x1/4 galvanized grate.
8. Vertical bars centered.
9. 3/4" chamfer at all exposed edges.
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MODIFIED COA STANDARD DETAILS (RECENTLY ADOPTED)

NOTES:
1. THIS DESIGN IS TO BE ISSUED ALONG WITH THE TYPICAL AT EACH CORNER.
   G.S.N. SHEET AND GRATES SHEET.
2. 6" Ø PVC FORMED DRAIN PORT.
3. 6" CONCRETE SLAB ON GRADE.
4. MODIFIED COA STANDARD DETAILS (RECENTLY ADOPTED).

LEVEL 1 PORTS
LEVEL 2 PORTS

SECTION AT REVERSE INCLINE PORTS

SECTION AT CORRUGATED METAL PIPE

SECTION AT REVERSE INCLINE PORTS

SECTION AT CORRUGATED METAL PIPE

SECTION AT REVERSE INCLINE PORTS

PLAN VIEW - LEVEL 2 DRAIN PORTS

ELEVATION A
ELEVATION B
SECTION C

DETAIL

REVISIONS (OR CHANGE NOTICES)
GENERAL NOTES:

1. CHANNEL BOTTOM LINING TO BE AS FOLLOWS:
   - FIRST 20' (STARTING AT PIPE OUTLET) TO BE RIPRAP TYPE M (D50=12'') WITH 18'' THICK GRAVEL FILTER MATERIAL PER GRADATION ON SHEET C-102
   - REMAINING OF CHANNEL TO BE RIPRAP TYPE L (D50=9'') WITH 12'' THICK GRAVEL FILTER MATERIAL PER GRADATION ON SHEET C-102

2. SUBGRADE COMPACTION UNDER SHOTCRETE CHANNEL AND SIDE SLOPES SHALL BE 1' DEEP AND COMPACTED TO A DRY DENSITY GREATER THAN 95% OF MAXIMUM DRY DENSITY IN A MOISTURE RANGE OF OPTIMUM MOISTURE +/- 2% AS DETERMINED IN ACCORDANCE WITH ASTM D1557

3. SHOTCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH SSDAFCALIBER CHANNEL FULL SECTION DETAILS, SEE THIS SHEET.
SEDIMENT STAGE MARKER DETAIL

THOROCOAT WHITE BEHIND 1'-6"