



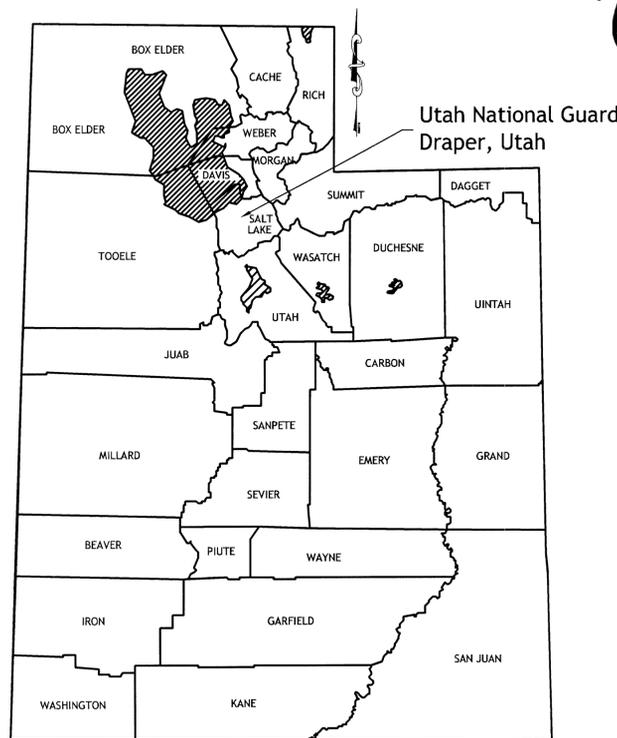
State of Utah—Department of Administrative Services
 DIVISION OF FACILITIES CONSTRUCTION
 AND MANAGEMENT
 4110 State Office Building/Salt Lake City, Utah 84114/538-3018

Utah National Guard

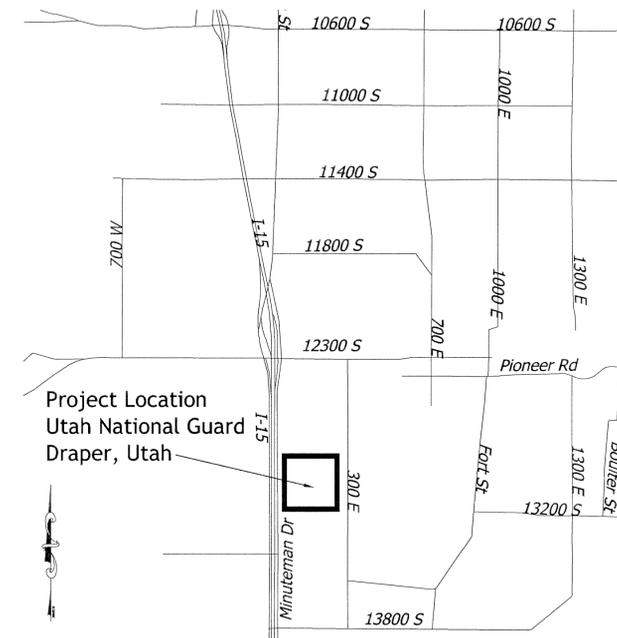
12953 South Minuteman Drive
 Draper, Utah 84020

Draper Complex CSMS East Access Drive Improvements and Jogging Track Improvements DFCM Project No. 07236480

BID SET
 August 3, 2007



VICINITY MAP
 N.T.S.



SITE MAP
 N.T.S.



| | | |
|----------|------|-------------|
| REV. NO. | DATE | DESCRIPTION |
| 8/1 | JSM | BID SET |

DRWN BY: G. THOMAS
 CHKD BY: J. MASTERS
 APRV BY: J. MASTERS
 DRAWN: AUG 2007
 RELEASE: AUG 2007

5353 S. 960 E, Suite 220
 Salt Lake City, Utah, 84117-7269
 (801) 293-8880 Fax (801) 293-8886
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UTAH NATIONAL GUARD
 EAST ACCESS AND JOGGING TRACK
 IMPROVEMENTS
 COVER SHEET

UTAH
 SALT LAKE COUNTY

DRAWING
G-1

SHEET: 1 OF 9

SCI PROJECT#
 20446

THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATIONS.
THE CONTRACTOR SHALL BE SATISFIED AS TO THEIR MEANING AND INTENT AND SHALL
BE RESPONSIBLE FOR COMPLYING WITH EACH.

GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES, ORDINANCES, OSHA REQUIREMENTS, STANDARDS AND SPECIFICATIONS WHETHER OR NOT ANY SPECIFIC REFERENCE IS MADE TO SUCH IN THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE PROPERLY LICENSED IN THE STATE OF UTAH TO PERFORM ALL OF THE WORK DESCRIBED IN THESE PLANS. SUCH LICENSING SHALL REMAIN IN EFFECT THE ENTIRETY OF THIS PROJECT THROUGH PROJECT COMPLETION AND WARRANTY PERIOD. THE CONTRACTOR SHALL CARRY APPROPRIATE INSURANCE.
2. ALL WORK SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS OF THE MOST RECENT EDITIONS OF THE UTAH CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) "MANUAL OF STANDARD SPECIFICATIONS" AND "MANUAL OF STANDARD PLANS" UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE PLANS.
3. THE CONTRACTOR WARRANTS AND GUARANTEES TO THE OWNER THAT ALL MATERIALS USED IN THE PERFORMANCE OF THE WORK SHALL BE NEW UNLESS OTHERWISE SPECIFIED AND THAT ALL WORK SHALL BE OF GOOD QUALITY AND FREE FROM FAULTS OR DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. IF REQUIRED BY THE OWNER THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS. ALL MATERIALS SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, AND CONDITIONED IN ACCORDANCE WITH THE INSTRUCTIONS OF THE APPLICABLE MANUFACTURER, FABRICATOR, OR PROCESSOR, EXCEPT AS OTHERWISE PROVIDED IN THESE DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS-OF-WAY, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR PROVIDING DUST, MUD, EROSION CONTROL, AND PROPER DRAINAGE. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL, RUBBISH, AND OTHER DEBRIS RESULTING FROM THE WORK. EQUIPMENT, MATERIALS, ETC. NECESSARY FOR THE COMPLETION OF THE WORK MAY BE STORED ONSITE ONLY WITH THE PERMISSION OF THE

OWNER. THE OWNER IS NOT RESPONSIBLE FOR LOSS OR DAMAGE TO EQUIPMENT, MATERIALS, ETC. STORED ONSITE. JOB SITE SECURITY IS THE RESPONSIBILITY OF THE CONTRACTOR. AT THE COMPLETION OF THE WORK ALL WASTE MATERIALS, RUBBISH, AND DEBRIS SHALL BE REMOVED FROM THE PREMISES AS WELL AS ALL TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, AND SURPLUS MATERIALS. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION OR BETTER WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES THOSE PORTIONS OF THE SITE NOT DESIGNATED FOR ALTERATION.
6. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND 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 THE ENGINEER.
7. WORK IN EASEMENTS AND/OR RIGHTS-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHTS-OF-WAY.
8. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
10. THE EXISTING TOPOGRAPHY SHOWN ON THESE PLANS IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY STANLEY CONSULTANTS, INC. (JULY 2005 AND JUNE 2007).
11. THE INFORMATION SHOWN ON THE PLANS WITH REGARD TO THE EXISTING UTILITIES AND/OR IMPROVEMENTS WAS DERIVED FROM FIELD

INVESTIGATIONS AND/OR RECORD INFORMATION. THE ENGINEER DOES NOT GUARANTEE THESE LOCATIONS TO BE EITHER TRUE OR EXACT. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY ALL EXISTING IMPROVEMENTS SHOWN OR NOT SHOWN ON THESE PLANS AND TO EXPOSE ALL EXISTING UNDERGROUND UTILITIES RELATED TO THE PROJECT.
12. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE PROJECT.
13. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 4 FEET OR MORE. FOR EXCAVATIONS 4 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS SECTION 68 - EXCAVATIONS, AND SECTION 69 - TRENCHES, ALONG WITH ANY LOCAL CODES OR ORDINANCES.
14. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
15. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, AFTER PROPER BACKFILLING AND/OR CONSTRUCTION, WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.
16. ALL MANHOLE RIMS, CLEANOUTS, VALVES AND MONUMENT BOXES, ETC. SHALL BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING, UNLESS OTHERWISE NOTED.

ABBREVIATIONS

| | | | | | |
|--------|--|-------|---|--------|-----------------------------------|
| APPROX | APPROXIMATE | FL | FLOWLINE | PE | PLAIN END |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | FLG | FLANGE | PG | PAGE |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | FT. | FEET | PI | POINT OF INTERSECTION |
| APWA | AMERICAN PUBLIC WORKS ASSOCIATION | HDPE | HIGH DENSITY POLYETHYLENE PIPE | PJDI | PUSH-ON JOINT DUCTILE IRON |
| AWWA | AMERICAN WATER WORKS ASSOCIATION | HORIZ | HORIZONTAL | PSF | POUNDS PER FOOT |
| BF | BLIND FLANGE | HP | HIGH POINT | PSI | POUNDS PER SQUARE INCH |
| BLDG | BUILDING | ID | INSIDE DIAMETER | P.U.E. | PUBLIC UTILITY EASEMENT |
| C | CHORD LENGTH | IE | INVERT ELEVATION | PVC | POLYVINYL CHLORIDE |
| C TO C | CENTER TO CENTER | INV | INVERT | RCP | REINFORCED CONCRETE PIPE |
| CB | CHORD BEARING | IR | IRON ROD | R | RADIUS |
| CI | CAST IRON | IRR | IRRIGATION | RJ | RESTRAINED JOINT |
| CL | CLASS | L | LENGTH | S | SOUTH |
| CLR | CLEAR | LBS | POUNDS | SEC | SECTION |
| CMP | CORRUGATED METAL PIPE | L.F. | LINEAR FEET | SS | SANITARY SEWER |
| CO | CLEANOUT | LIN. | LINEAR | STA | STATION |
| CONC | CONCRETE | LP | LOW POINT | T | TOP |
| DI | DUCTILE IRON | MAX | MAXIMUM | TB | THRUST BLOCK |
| DIA | DIAMETER | MEG | MATCH EXISTING GRADE | TBA | TO BE ABANDONED |
| DIM | DIMENSION | MIN | MINIMUM | TBC | TOP BACK CURB |
| E | EAST | MJ | MECHANICAL JOINT | TC | TOP OF CONCRETE |
| EA | EDGE OF ASPHALT | N | NORTH | TYP | TYPICAL |
| EG | EXISTING GRADE | N/A | NOT APPLICABLE | UDOT | UTAH DEPARTMENT OF TRANSPORTATION |
| EL | ELEVATION | NIC | NOT IN CONTACT | VERT | VERTICAL |
| ELEV | ELEVATION | NO | NUMBER | W | WEST |
| EP | EDGE OF PAVEMENT | NTS | NOT TO SCALE | W/ | WITH |
| EW | EACH WAY | OC | ON CENTER | WWF | WELDED WIRE FABRIC |
| EX | EXISTING | OD | OUTSIDE DIAMETER | | |
| FG | FINISH GRADE | OSHA | OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION | | |
| FH | FIRE HYDRANT | | | | |

CONTACT INFORMATION TABLE

| AGENCY | CONTACT | TELEPHONE |
|--|-----------------------|----------------|
| DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT | WAYNE SMITH | (801) 538-3516 |
| UTAH NATIONAL GUARD | D. SCOTT POTTER, P.E. | (801) 523-4233 |
| STANLEY CONSULTANTS, INC. | JEFF S. MASTERS, P.E. | (801) 293-8880 |

SHEET LIST

| DWG NO. | SHEET DESCRIPTION | SHT NO. |
|---------|---------------------------------|---------|
| G-1 | GENERAL SHEETS | 1 |
| G-2 | COVER SHEET | 2 |
| | GENERAL NOTES | |
| | CIVIL SHEETS | |
| C-1 | EXISTING CONDITIONS PLAN | 3 |
| C-2 | DEMOLITION PLAN | 4 |
| C-3 | SITE PLAN | 5 |
| C-4 | RETAINING WALL PLAN AND PROFILE | 6 |
| C-5 | RETAINING WALL PLAN AND PROFILE | 7 |
| C-6 | CIVIL DETAILS SHEET | 8 |
| C-7 | CIVIL DETAILS SHEET | 9 |

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

| | |
|-------------|----------|
| DATE | 8/1 |
| APPROVAL | JSM |
| DESCRIPTION | BID SET |
| DATE | AUG 2007 |
| RELEASE | AUG 2007 |

DRWN BY: G. THOMAS
CHKD BY: J. MASTERS
APPR BY: J. MASTERS
DRAWN: AUG 2007
RELEASE: AUG 2007

5355 S. 960 E. Suite 270
Midvale, UT 84048
(801) 293-8880 Fax (801) 293-8886
www.stanleygroup.com



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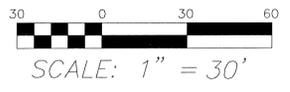
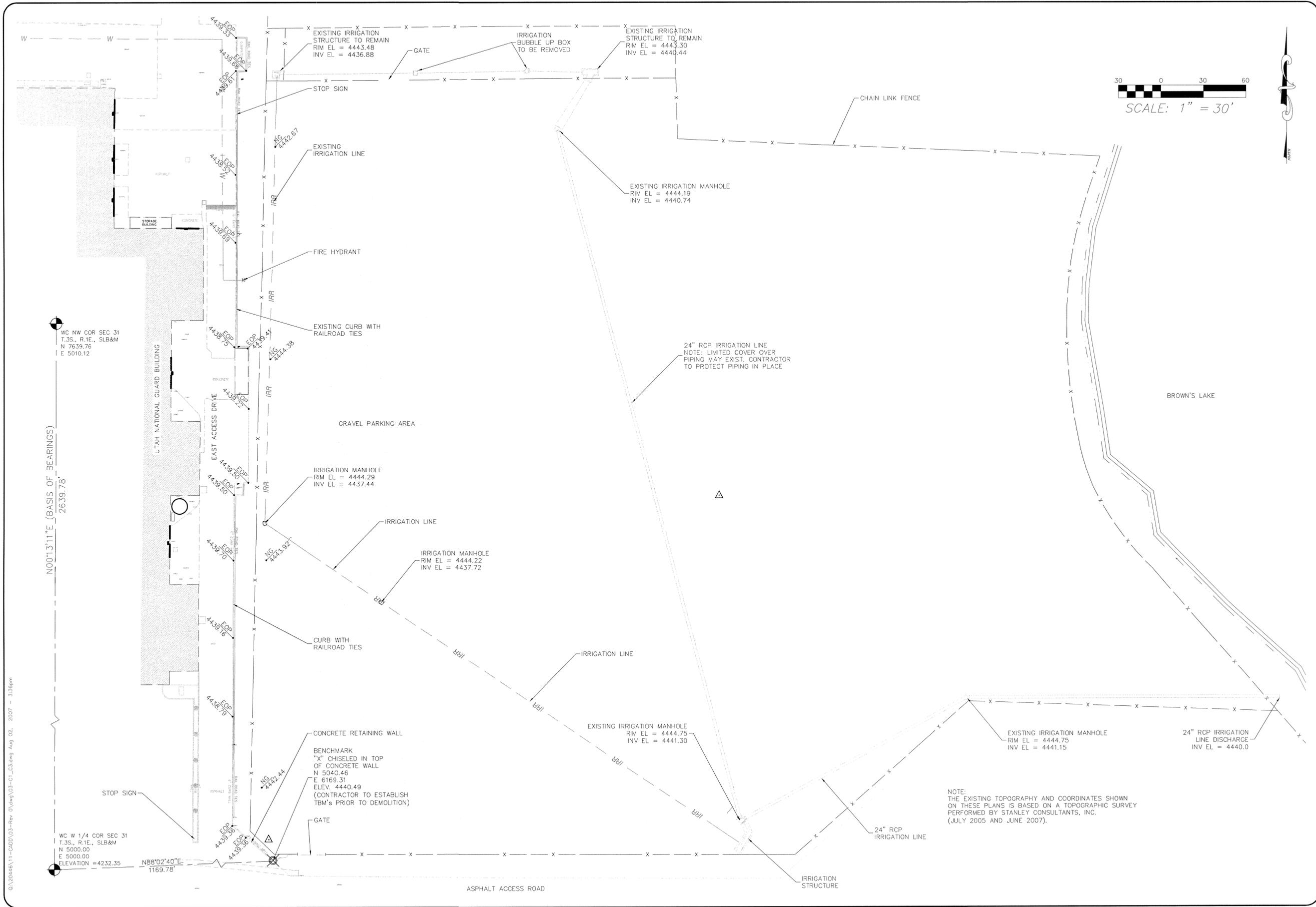
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EAST ACCESS AND JOGGING TRACK
IMPROVEMENTS
GENERAL NOTES

UTAH
SALT LAKE COUNTY

DRAWING
G-2

SHEET: 2 OF 9

SCI PROJECT#
20446



WC NW COR SEC 31
T.3S., R.1E., SLB&M
N 7639.76
E 5010.12

N001°3'11\"/>

WC W 1/4 COR SEC 31
T.3S., R.1E., SLB&M
N 5000.00
E 5000.00
ELEVATION = 4232.35
N88°02'40\"/>

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| DATE | DESCRIPTION | BY |
| 8/1 | BID SET | JSM |
| | PERSONAL | |

DRWN BY: G. THOMAS
CHKD BY: J. MASTERS
APRV BY: J. MASTERS
DRAWN: AUG 2007
RELEASE: AUG 2007

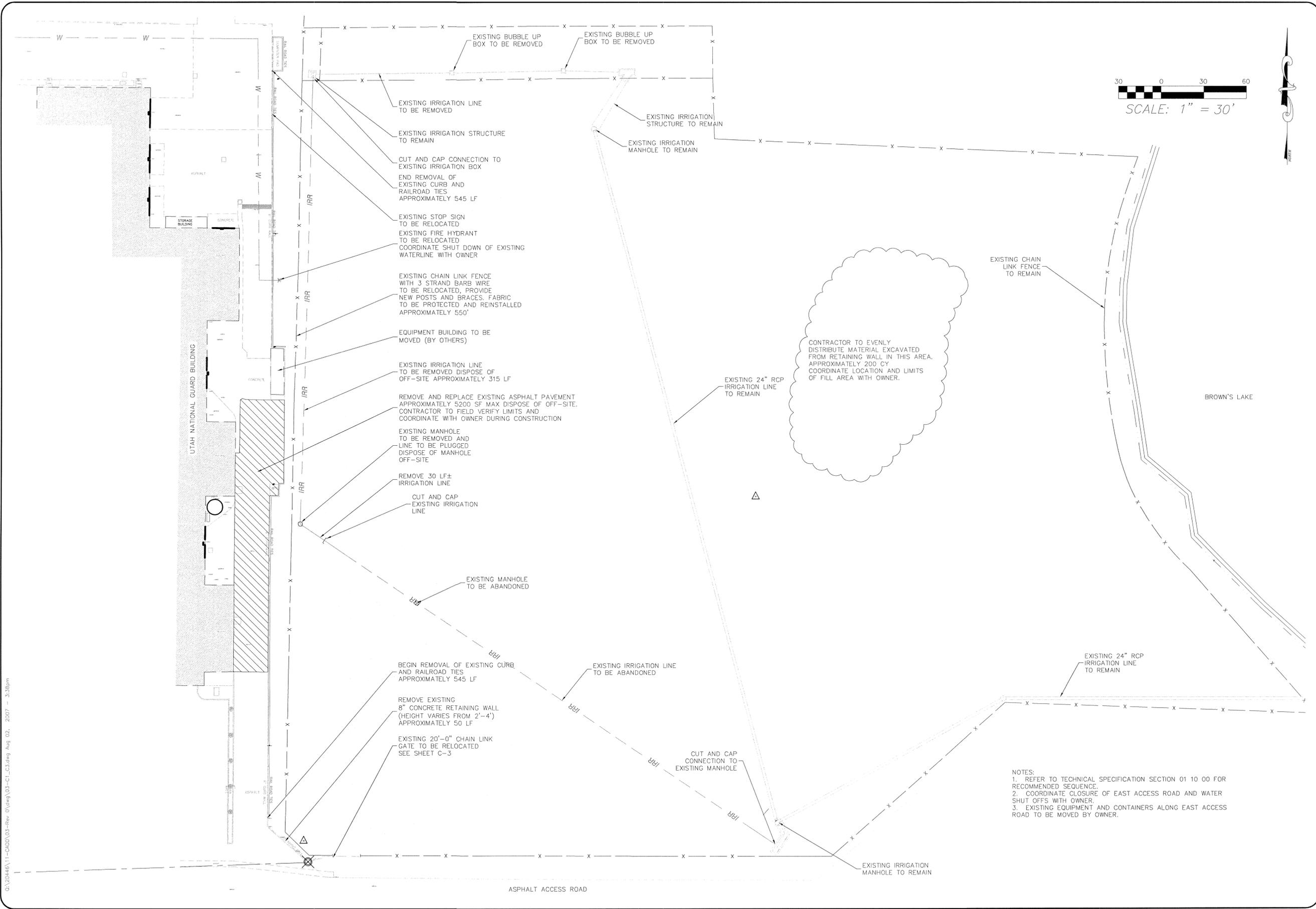
5353 S. 960 E. Suite 200
Salt Lake City, Utah 84117-7269
(801) 281-8880 Fax (801) 281-8886
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UTAH NATIONAL GUARD
EAST ACCESS AND JOGGING TRACK
IMPROVEMENTS
EXISTING CONDITIONS PLAN
SALT LAKE COUNTY

DRAWING
C-1
SHEET: 3 OF 9
SCI PROJECT#
20446

NOTE:
THE EXISTING TOPOGRAPHY AND COORDINATES SHOWN
ON THESE PLANS IS BASED ON A TOPOGRAPHIC SURVEY
PERFORMED BY STANLEY CONSULTANTS, INC.
(JULY 2005 AND JUNE 2007).



NOTES:
 1. REFER TO TECHNICAL SPECIFICATION SECTION 01 10 00 FOR RECOMMENDED SEQUENCE.
 2. COORDINATE CLOSURE OF EAST ACCESS ROAD AND WATER SHUT OFFS WITH OWNER.
 3. EXISTING EQUIPMENT AND CONTAINERS ALONG EAST ACCESS ROAD TO BE MOVED BY OWNER.



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| DRWN BY: G. THOMAS | DATE: 8/1 |
| CHKD BY: J. MASTERS | REVISION: |
| APRV BY: J. MASTERS | DATE: |
| DRAWN: AUG 2007 | BID SET |
| RELEASE: AUG 2007 | DATE: |

5353 S. 960 E. Suite 220
 Salt Lake City, Utah 84117-7709
 (801) 293-8880 Fax: (801) 293-8886
 www.stanleygroup.com

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 DEMOLITION PLAN

SALT LAKE COUNTY

DRAWING
C-2

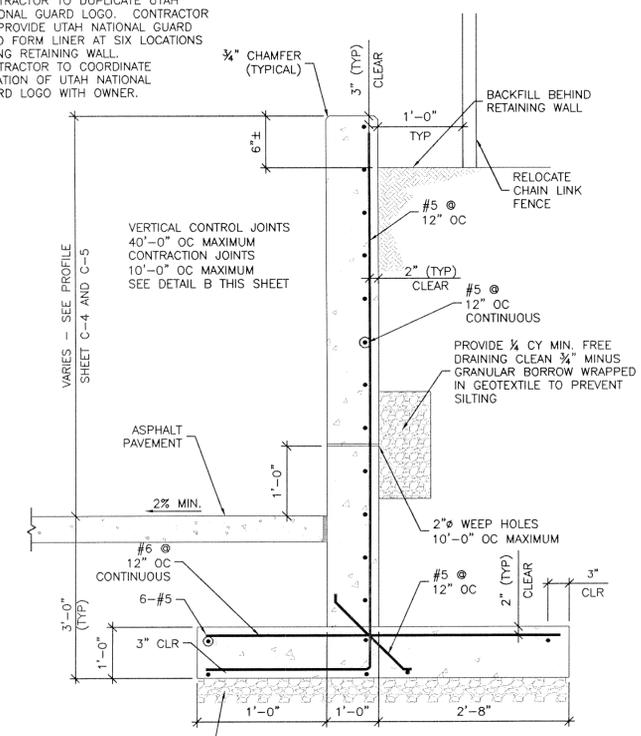
SHEET: 4 OF 9

SCI PROJECT#
 20446

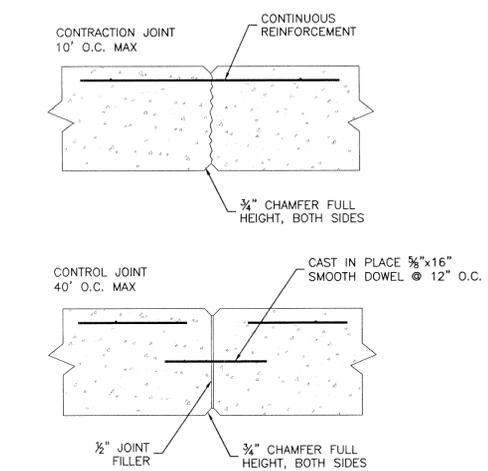
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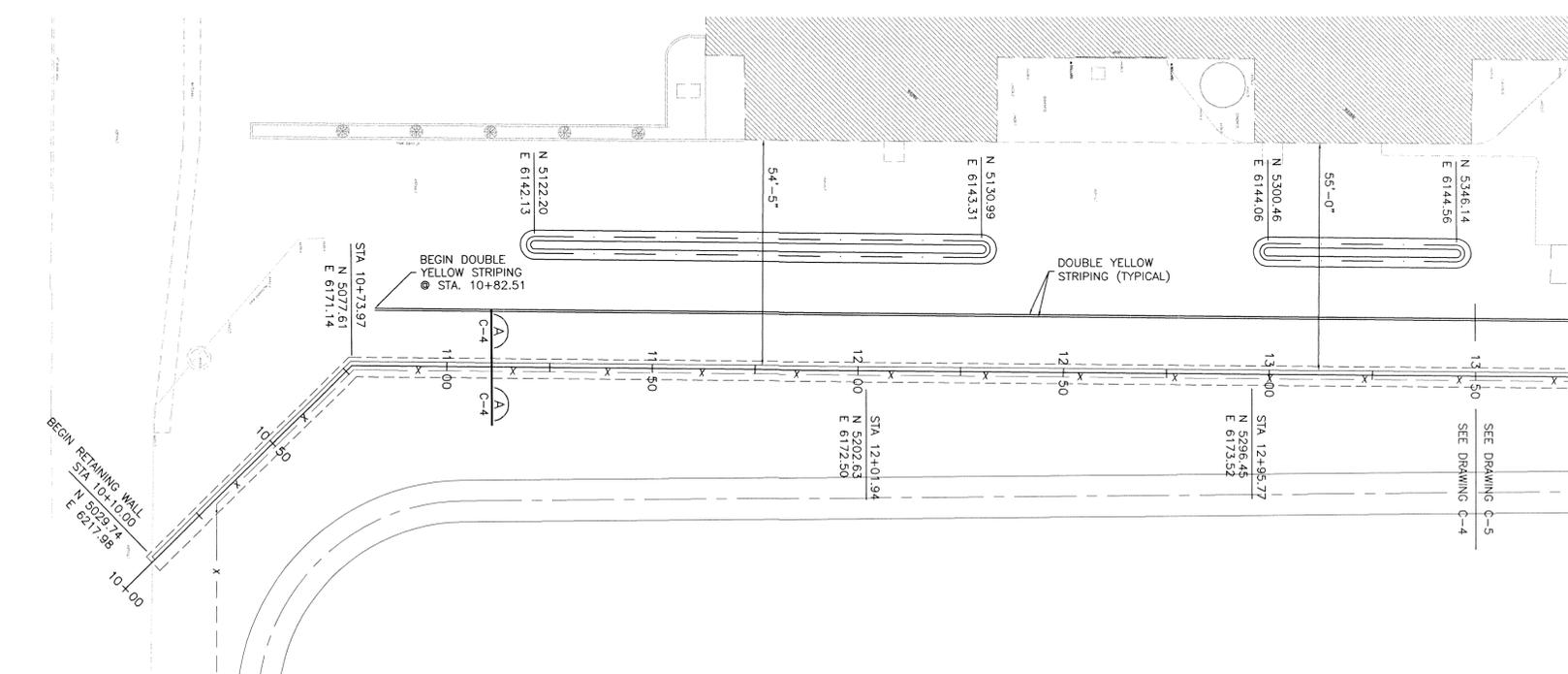
BID ALTERNATIVE NO. 2
 OWNER TO PROVIDE SAMPLE FOR
 CONTRACTOR TO DUPLICATE UTAH
 NATIONAL GUARD LOGO. CONTRACTOR
 TO PROVIDE UTAH NATIONAL GUARD
 LOGO FORM LINER AT SIX LOCATIONS
 ALONG RETAINING WALL.
 CONTRACTOR TO COORDINATE
 LOCATION OF UTAH NATIONAL
 GUARD LOGO WITH OWNER.



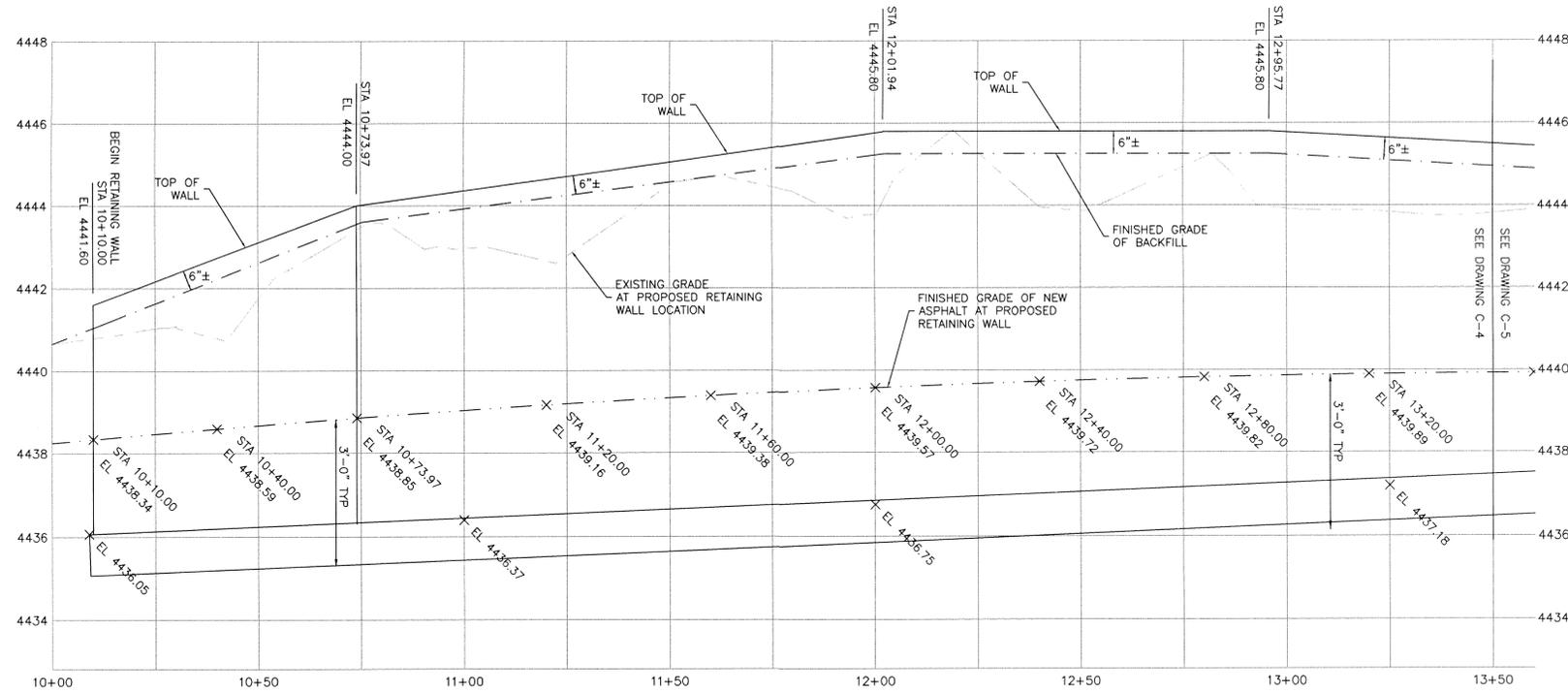
A RETAINING WALL SECTION
 C-4 N.T.S.



B RETAINING WALL JOINTS
 C-4 N.T.S.



1 RETAINING WALL PLAN PART A
 C-4



2 RETAINING WALL PROFILE PART A
 C-4 HORIZ 1" = 20' : VERT 1" = 2'

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| DATE | 8/1 |
| APPROVAL | JSM |
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DRWN BY: G. THOMAS
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 APVR BY: J. MASTERS
 DRAWN: AUG 2007
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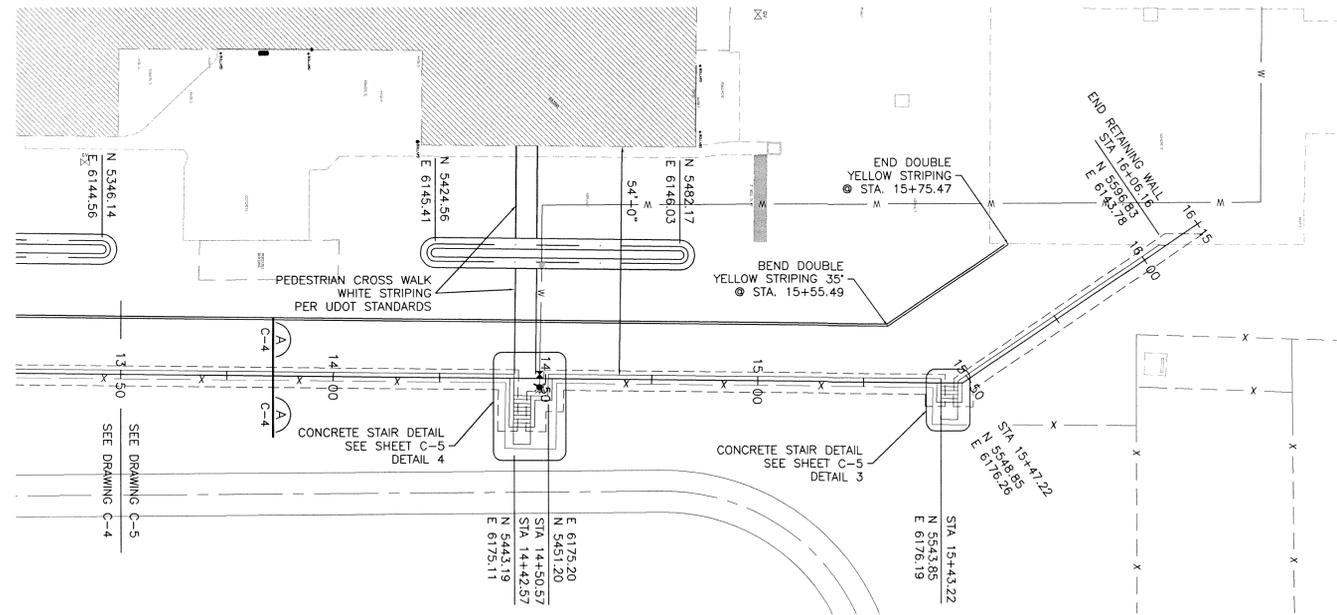
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 Salt Lake City, Utah, 84117-7269
 (801) 393-8880 Fax: (801) 293-8886
 www.stanleygroup.com

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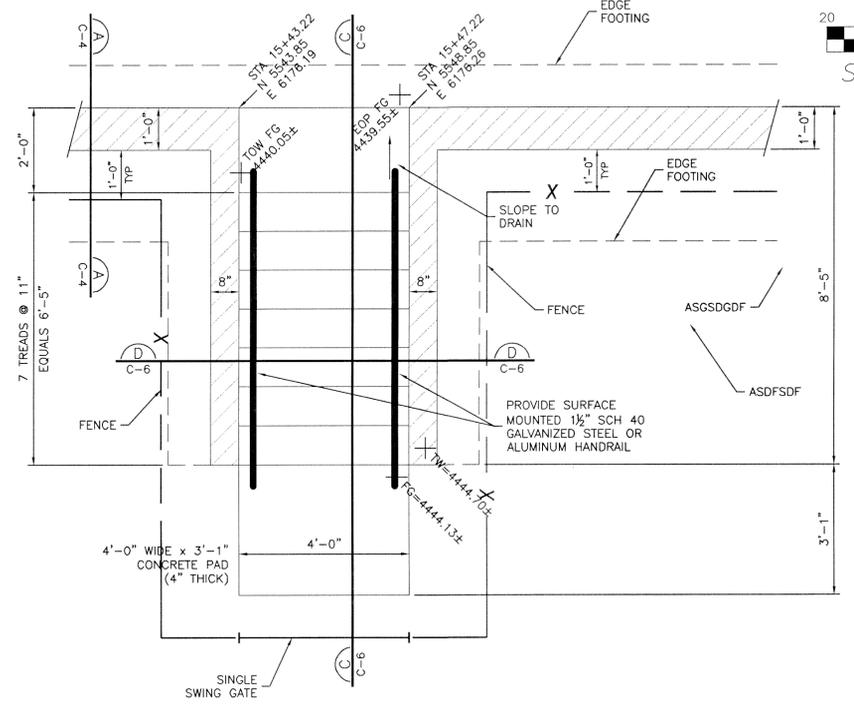
UTAH NATIONAL GUARD
 EAST ACCESS AND JOGGING TRACK
 IMPROVEMENTS
 RETAINING WALL PLAN AND PROFILE
 SALT LAKE COUNTY

DRAWING
C-4
 SHEET: 6 OF 9
 SCI PROJECT#
 20446

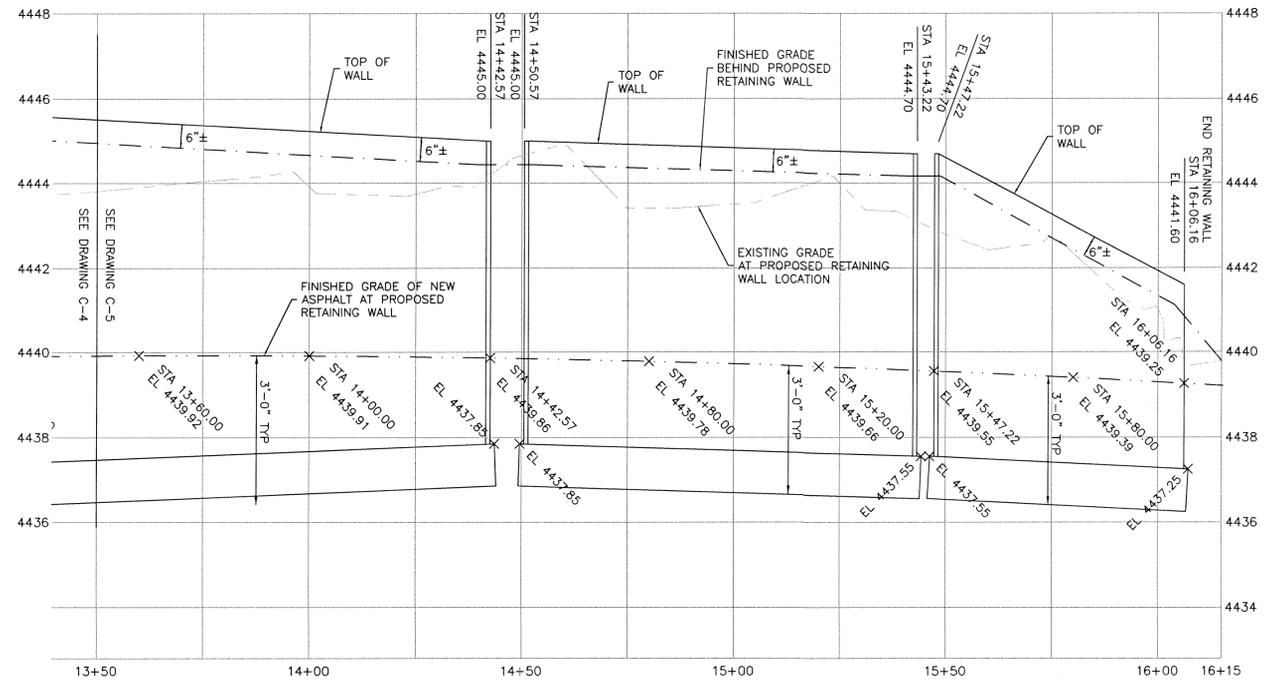
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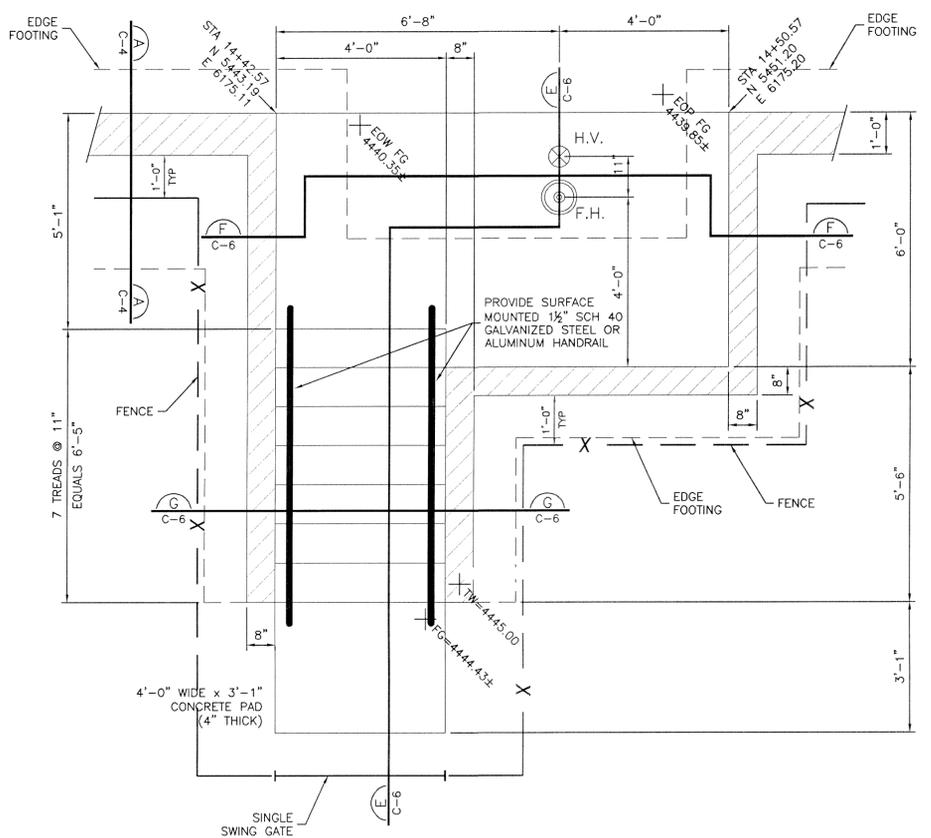
1 RETAINING WALL PLAN PART B
C-5



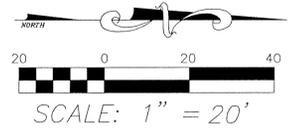
3 CONCRETE STAIR DETAIL
C-5 1/2" = 1'-0"



2 RETAINING WALL PROFILE PART B
C-5 HORIZ 1" = 20' : VERT 1" = 2'



4 CONCRETE STAIR DETAIL
C-5 1/2" = 1'-0"



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|---------------------|-------------|
| DRWN BY: G. THOMAS | DATE |
| CHKD BY: J. MASTERS | JSM |
| APRV BY: J. MASTERS | B/1 |
| DRWN: AUG 2007 | DESCRIPTION |
| RELEASE: AUG 2007 | BID SET |
| | REV. NO. |

5353 S. 980 E., Suite 220
Salt Lake City, Utah, 84117-7269
(801) 235-5680 Fax (801) 235-8886
www.stanleyconsultants.com

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RETAINING WALL PLAN AND PROFILE

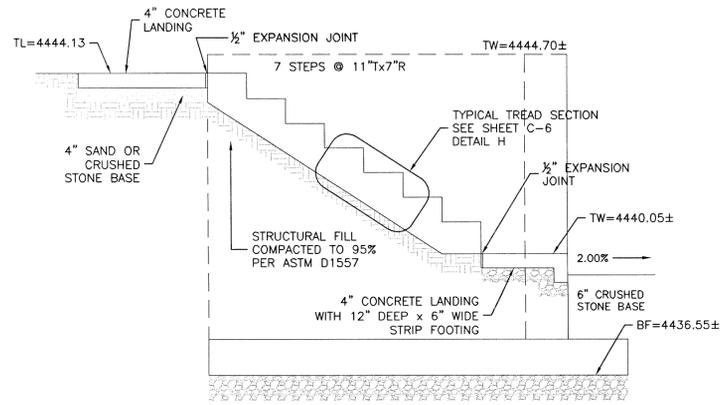
SALT LAKE COUNTY

DRAWING
C-5

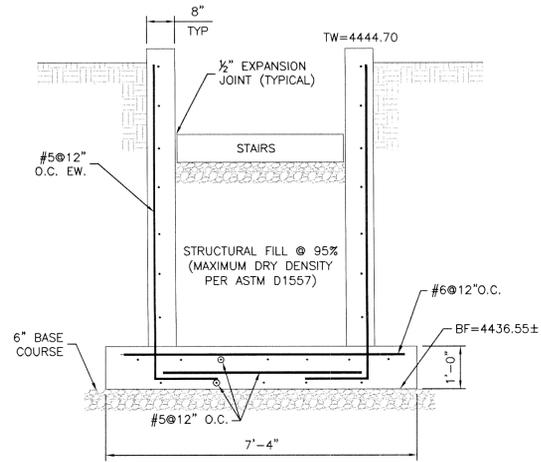
SHEET: 7 OF 9

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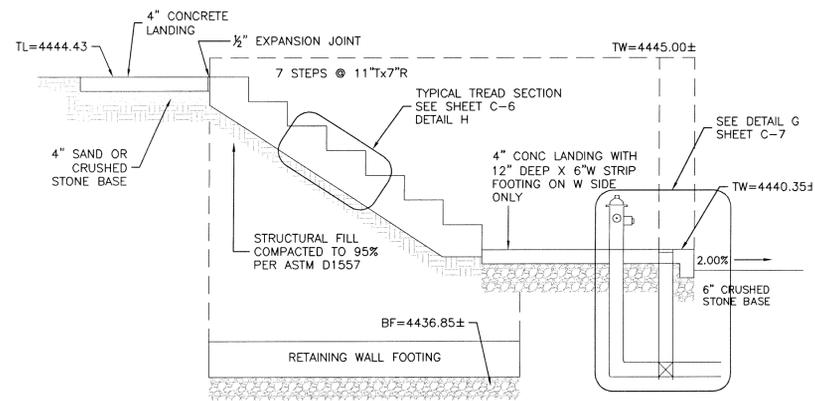
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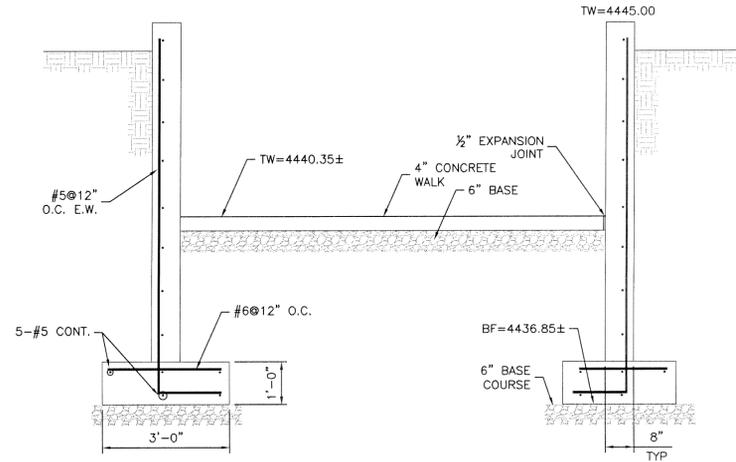
C-6 SECTION C-C



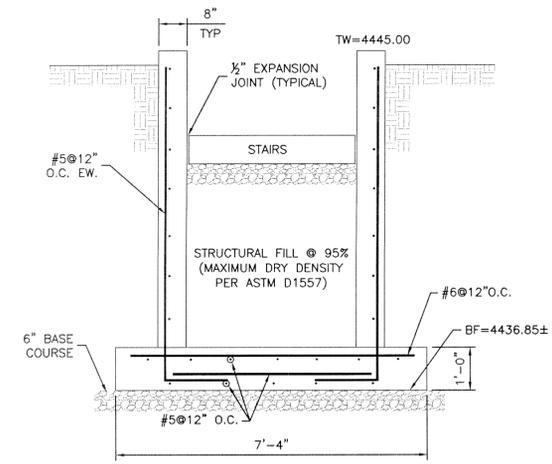
C-6 SECTION D-D



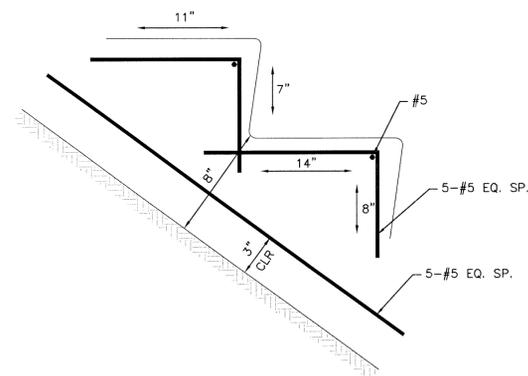
C-6 SECTION E-E



C-6 SECTION F-F



C-6 SECTION G-G



C-6 TYPICAL TREAD DETAIL

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| DATE | 8/1 |
| APPROVAL | JSM |
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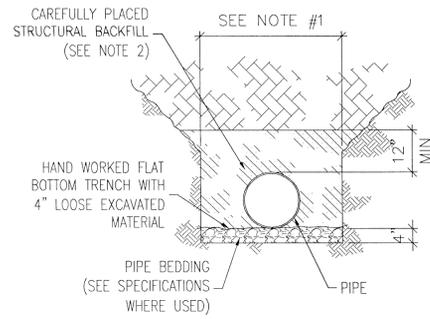
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5353 S. 960 E. Suite 220
Salt Lake City, Utah, 84117-7269
(801) 293-8880 Fax (801) 293-8886
www.stanleygroup.com

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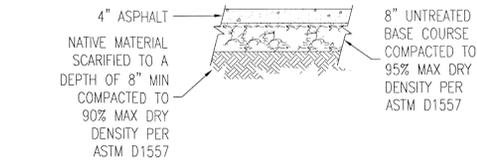
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C-6
SHEET: 8 OF 9
SCI PROJECT#
20446

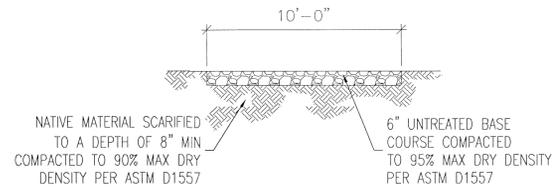


- NOTES:
1. MAXIMUM TRENCH WIDTH = PIPE OUTSIDE DIAMETER PLUS 2'-0".
 2. STRUCTURAL BACKFILL MAY BE SUBSTITUTED FOR JOB EXCAVATED MATERIAL AND SHALL BE USED WHERE REMAINING BACKFILL IS SPECIFIED TO BE STRUCTURAL BACKFILL MATERIAL.

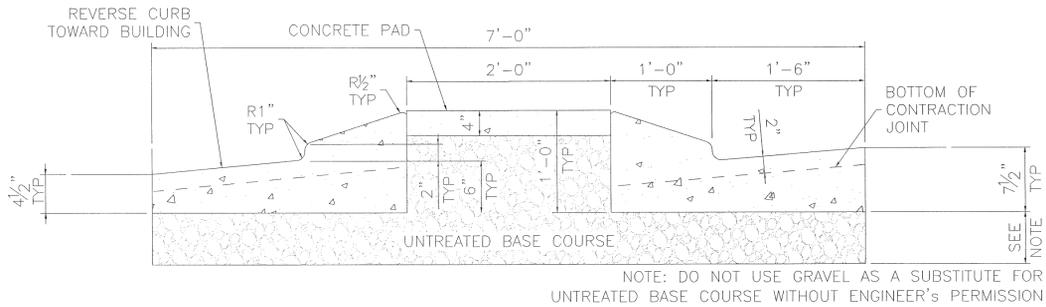
(A) TYPICAL TRENCH CROSS SECTION
C-7 N.T.S.



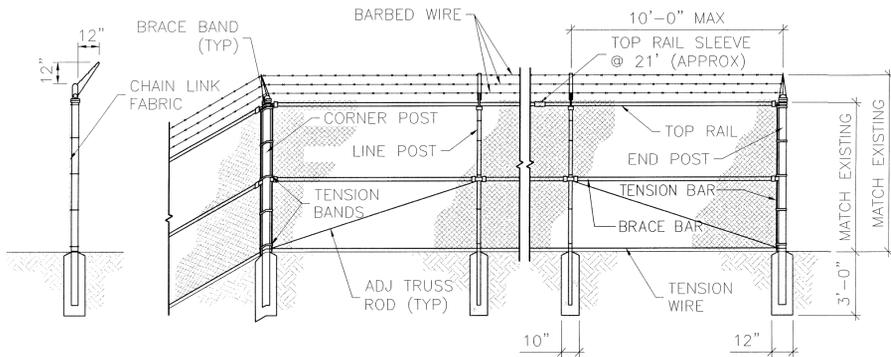
(B) ASPHALT PAVEMENT TYPICAL SECTION
C-7 N.T.S.



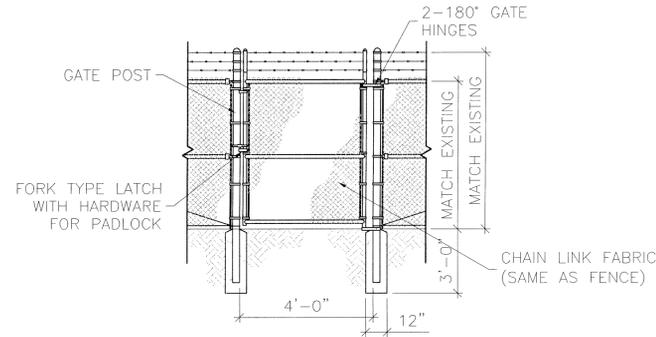
(C) JOGGING TRACK TYPICAL SECTION
C-7 N.T.S.



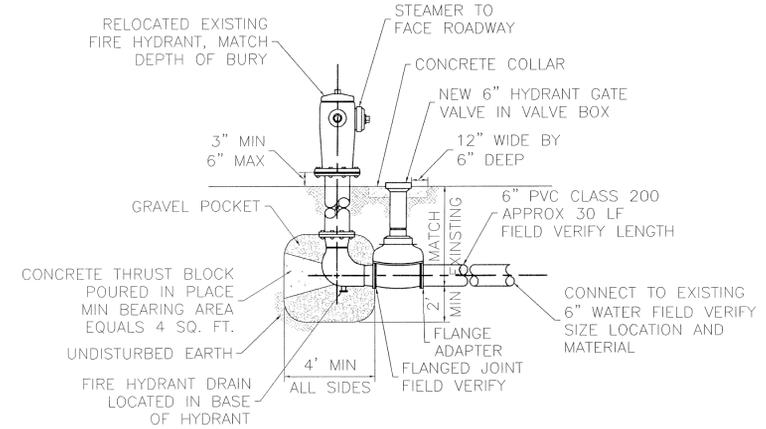
(D) CURB AND GUTTER TYPICAL SECTION
C-7 N.T.S.



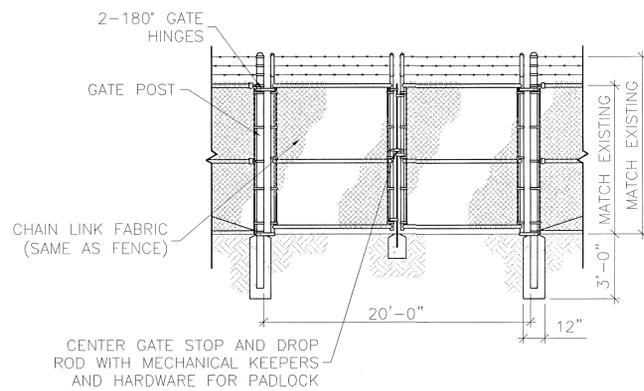
(E) CHAIN LINK FENCE TYPICAL DETAIL
C-7 N.T.S.



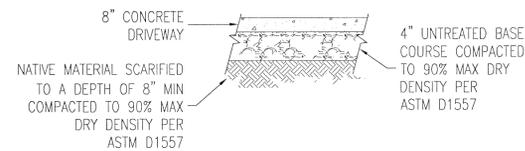
(F) SINGLE SWING GATE DETAIL
C-7 N.T.S.



(G) FIRE HYDRANT TYPICAL DETAIL
C-7 N.T.S.



(H) DOUBLE SWING GATE DETAIL
C-7 N.T.S.



(I) CONCRETE DRIVEWAY TYPICAL SECTION
C-7 N.T.S.



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5353 S. 960 E. Suite 200
 Salt Lake City, Utah 84117-7269
 (801) 293-8880 Fax (801) 293-8886
 www.stanleygroup.com

Stanley Consultants Inc.

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