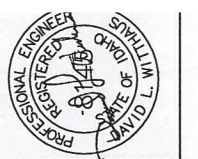


17TH STREET FRONTAGE IMPROVEMENTS

REGENCE BLUE SHIELD OF IDAHO - LEWISTON, ID



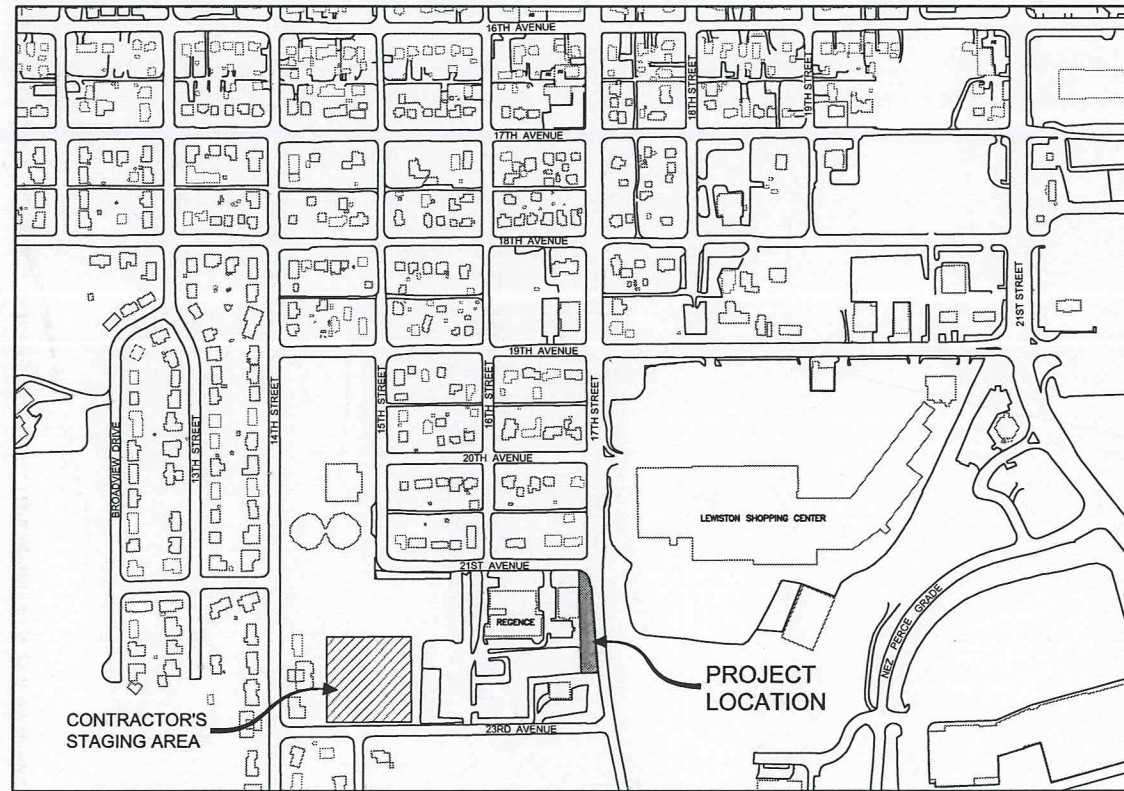
THOMAS, DEAN & HOSKINS, INC.
 ENGINEERING CONSULTANTS
 GREAT FALLS - BOZEMAN - KALISPELL
 SPOKANE - LEWISTON
 MONTANA
 WASHINGTON
 IDAHO

REVISIONS
 BY DATE DESCR BY DATE DESCR
 DRAWN BY: HRF
 DESIGNED BY: HRF/DLW
 QUALITY CHECK: DLW
 DATE: 4/22/11
 JOB NO. L11001-01
 FIELDBOOK

17TH STREET FRONTAGE IMPROVEMENTS
 REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO
 COVER SHEET

| SHEET INDEX | |
|-------------|----------------------------------------|
| NO. | DESCRIPTION |
| 1 | COVER SHEET |
| 2 | EXISTING SITE AND DEMOLITION PLAN |
| 3 | UTILITY RELOCATE PLAN |
| 4 | PROPOSED SITE & GRADING PLAN |
| 5,6 | ROADWAY DETAILS |
| 7 | RETAINING WALL PLAN, PROFILE & SECTION |
| 8 | CROSS SECTIONS |
| 9 | SIGNING & STRIPING PLAN |
| 10 | TRAFFIC CONTROL PLAN |
| 11 | EROSION & SEDIMENT CONTROL PLAN |

| SCHEDULE OF ABBREVIATIONS | |
|---------------------------|-------------------------------------------|
| ABBREVIATION | DESCRIPTION |
| ADA | AMERICANS WITH DISABILITIES ACT |
| APPROX. | APPROXIMATE |
| ASTM | AMERICAN SOCIETY FOR TESTING & MATERIALS |
| AVE. | AVENUE |
| BMP | BEST MANAGEMENT PRACTICES |
| CLM | CENTERLINE MONUMENT |
| CP | CONTROL POINT |
| DWG. | DRAWING |
| E | EAST |
| EXIST. | EXISTING |
| FG | FINISHED GRADE |
| FT. | FEET |
| L.F. | LINEAR FEET |
| MAX. | MAXIMUM |
| MIN. | MINIMUM |
| MUTCD | MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES |
| N | NORTH |
| NO. | NUMBER |
| PVIE | POINT OF VERTICAL INTERSECTION ELEVATION |
| PVIS | POINT OF VERTICAL INTERSECTION STATION |
| PROP. | PROPOSED |
| NO. | NUMBER |
| NO. | NUMBER |
| P/L | PROPERTY LINE |
| RAD | RADIUS |
| RT. | RIGHT |
| STA. | STATION |
| STD. | STANDARD |
| TYP. | TYPICAL |
| W | WEST |

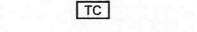
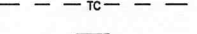
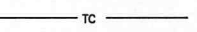
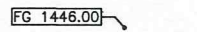
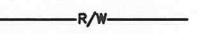
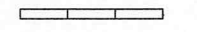
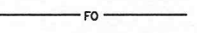
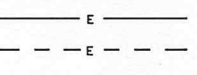
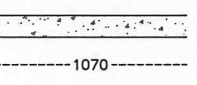
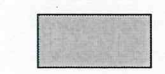


VICINITY MAP
 NOT TO SCALE

GENERAL NOTES

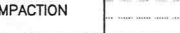
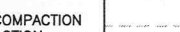
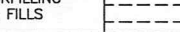
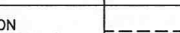
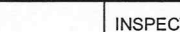
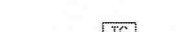
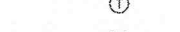
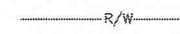
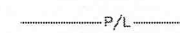
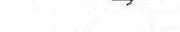
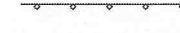
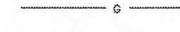
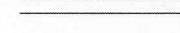
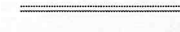
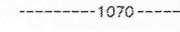
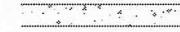
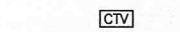
- 1) THE CONTRACTOR SHALL INVESTIGATE ON SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS REQUIRING MODIFICATION PRIOR TO PROCEEDING.
- 2) THE CONTRACTOR SHALL COORDINATE THE WORK SCHEDULE SO AS TO HAVE A MINIMUM IMPACT ON THE EXISTING TRAFFIC.
- 3) SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS, AND INTERSECTIONS MUST BE MAINTAINED.
- 4) THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTATIVE MEASURES TO PROTECT THE EXISTING IMPROVEMENTS. ANY DAMAGE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 5) OWNER'S PROPERTY CORNERS SHALL BE PROTECTED AT ALL TIMES, AND THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF IDAHO TO REFERENCE ALL CORNERS. UPON COMPLETION OF THE PROJECT, ALL EXISTING CORNERS DAMAGED BY CONSTRUCTION SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 6) A RIGHT-OF-WAY PERMIT SHALL BE OBTAINED THROUGH THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY WORK BEGINNING WITHIN PUBLIC RIGHT-OF-WAY.
- 7) THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND FEES.
- 8) ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW) EXCEPT AS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER. ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY OF LEWISTON ORDINANCES AND STANDARDS.
- 9) UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE ENGINEER OF RECORD.
- 10) THIS PROJECT SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF ALL WORK. ANY DEFECTS IN MATERIAL OR WORKMANSHIP WITHIN THIS PERIOD SHALL BE IMMEDIATELY CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.

PROPOSED



LEGEND

EXISTING



DESCRIPTION

ASPHALT

ASPHALT (EDGE OF)

CABLE TV - UNDERGROUND

CABLE TV JUNCTION BOX

CONCRETE

CONTOUR

CURB (STRAIGHT)

CURB & GUTTER

DRYWELL

EASEMENT

ELECTRICAL - OVERHEAD

ELECTRICAL - UNDERGROUND

ELECTRICAL BOX

FIBER OPTIC - OVERHEAD

FIRE HYDRANT

GAS LINE

GUARDRAIL

GUY WIRE

JERSEY RAIL BARRIER

LIGHT POLE

MANHOLE

POWER POLE

PROPERTY LINE

RIGHT-OF-WAY LINE

RETAINING WALL

SPOT ELEVATIONS

TELEPHONE - UNDERGROUND

TELEPHONE VAULT

TELEPHONE RISER

TELECOMMUNICATIONS - OVERHEAD

TELECOMMUNICATIONS - UNDERGROUND

TELECOMMUNICATIONS VAULT

TRAFFIC SIGN

TREE - CONIFEROUS

TREE - DECIDUOUS

WATER

WATER METER

VALVE

Approved

City of Lewiston

Engineering - Public Works Dept.

By *[Signature]*

Date *5/3/11*

7/19/11
Revised: Sht 7 & Sht 8

| AGENCIES | |
|-----------------------------------|----------------|
| CALL BEFORE YOU DIG | 1-800-342-1585 |
| QWEST COMMUNICATIONS | 1-208-798-0607 |
| AVISTA UTILITIES | 1-208-798-1473 |
| CABLE ONE | 1-208-746-3325 |
| XO COMMUNICATIONS | 1-509-444-8547 |
| LEWISTON SCHOOL DISTRICT (FIBER) | 1-208-748-3003 |
| CITY OF LEWISTON PUBLIC WORKS | 1-208-746-3671 |
| THOMAS, DEAN & HOSKINS - ENGINEER | 1-208-746-0938 |

UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION: 1-800-342-1585

"CALL BEFORE YOU DIG"

| ITEM | INSPECTOR / CO. | DATE INSPECTED | INITIAL |
|---------------------------------------------------------------------------------|-----------------|----------------|---------|
| 1. SOILS COMPACTION - TRENCH BACKFILLING - STRUCTURAL FILLS | | | |
| 2. STREET - SUBGRADE COMPACTION - BASE COMPACTION - ASPHALT COMPACTION | | | |

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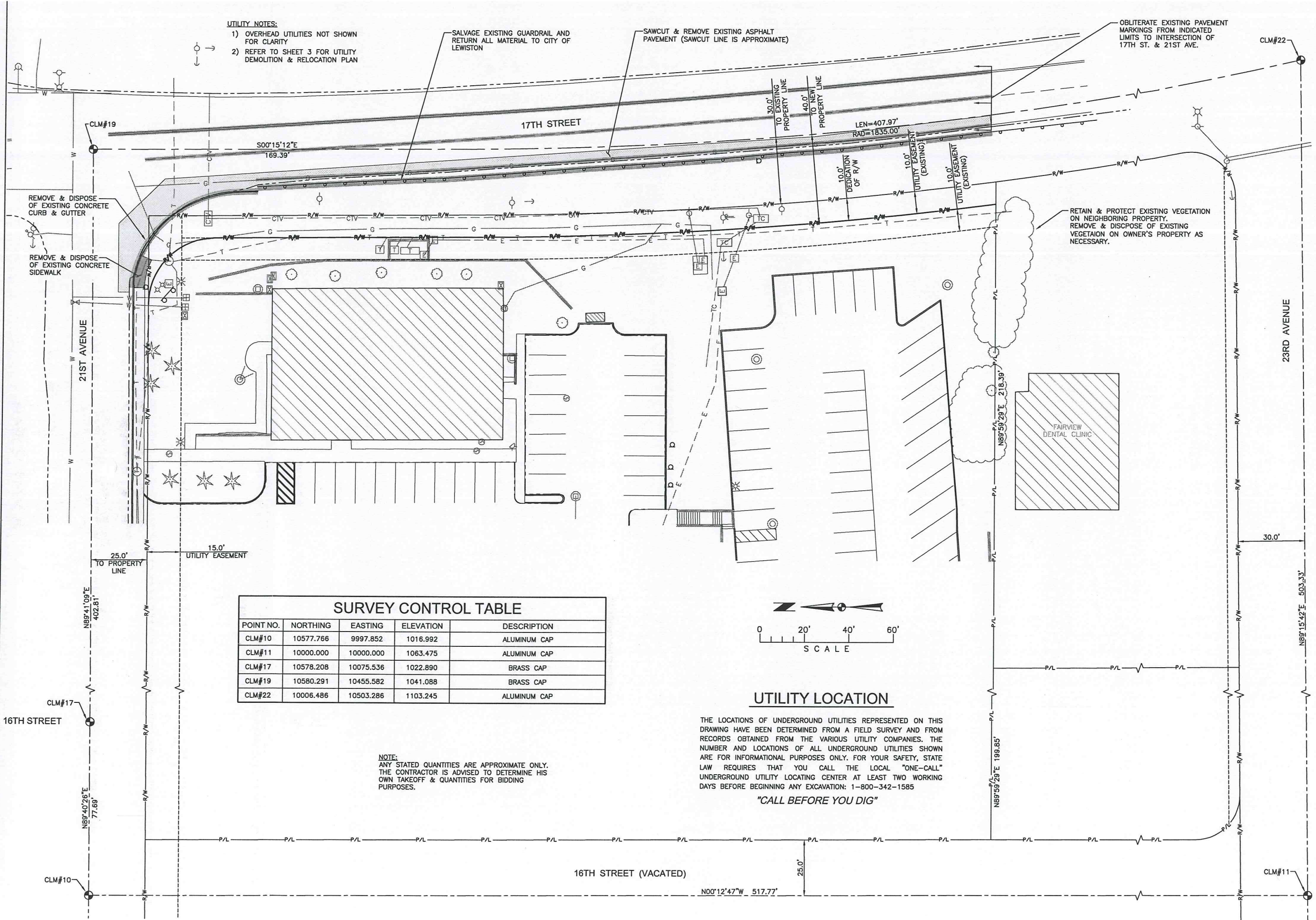
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- UTILITY NOTES:**
- 1) OVERHEAD UTILITIES NOT SHOWN FOR CLARITY
 - 2) REFER TO SHEET 3 FOR UTILITY DEMOLITION & RELOCATION PLAN

SALVAGE EXISTING GUARDRAIL AND RETURN ALL MATERIAL TO CITY OF LEWISTON

SAWCUT & REMOVE EXISTING ASPHALT PAVEMENT (SAWCUT LINE IS APPROXIMATE)

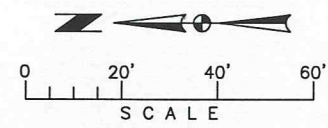
OBLITERATE EXISTING PAVEMENT MARKINGS FROM INDICATED LIMITS TO INTERSECTION OF 17TH ST. & 21ST AVE.



SURVEY CONTROL TABLE

| POINT NO. | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|-----------|-----------|-----------|-----------|--------------|
| CLM#10 | 10577.766 | 9997.852 | 1016.992 | ALUMINUM CAP |
| CLM#11 | 10000.000 | 10000.000 | 1063.475 | ALUMINUM CAP |
| CLM#17 | 10578.208 | 10075.536 | 1022.890 | BRASS CAP |
| CLM#19 | 10580.291 | 10455.582 | 1041.088 | BRASS CAP |
| CLM#22 | 10006.486 | 10503.286 | 1103.245 | ALUMINUM CAP |

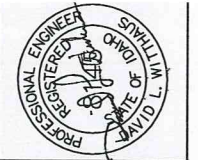
NOTE:
ANY STATED QUANTITIES ARE APPROXIMATE ONLY. THE CONTRACTOR IS ADVISED TO DETERMINE HIS OWN TAKEOFF & QUANTITIES FOR BIDDING PURPOSES.



UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION: 1-800-342-1585

"CALL BEFORE YOU DIG"



THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
MONTANA
WASHINGTON
IDAHO
LEWISTON

REVISIONS

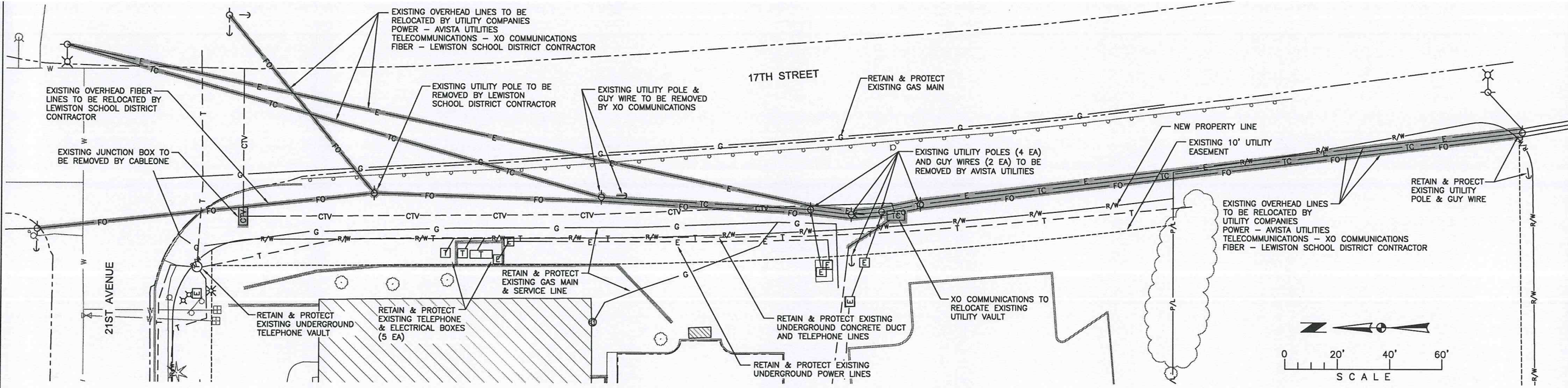
| BY | DATE | DESCR |
|----|------|-------|
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| | | |

DESIGNED BY: HRF/DLW
QUALITY CHECK: DLW
DATE: 4/22/11
JOB NO. L11-001
FIELDBOOK

**17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO**

EXISTING SITE & DEMOLITION PLAN

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EXISTING UTILITY PLAN WITH PROPOSED RELOCATES

UTILITY LEGEND

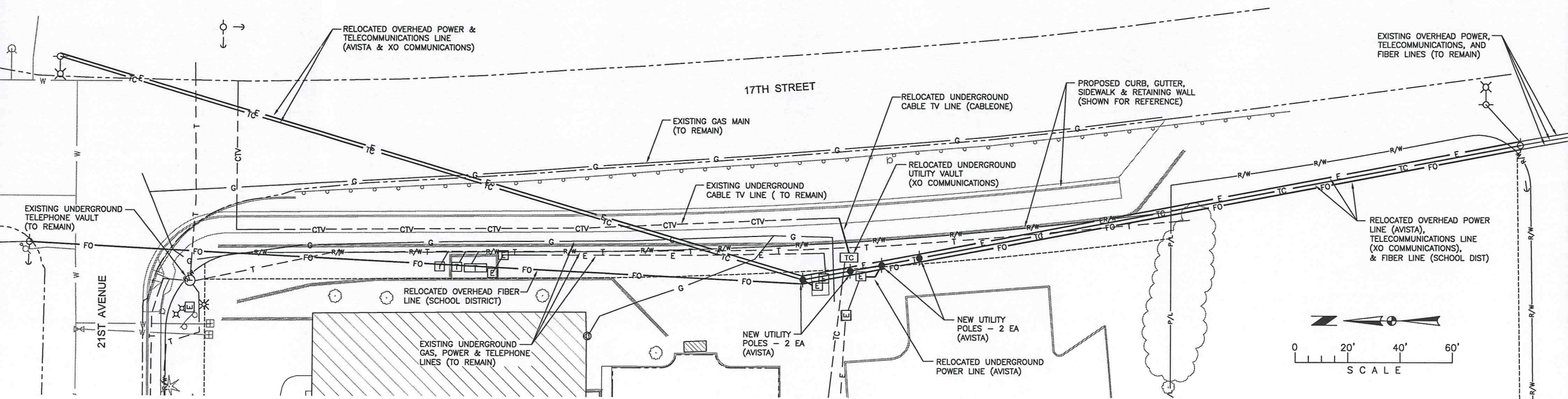
| PROPOSED | EXISTING TO REMAIN | EXISTING TO BE RELOCATED | |
|-------------|--------------------|--------------------------|---------------------------------------------------|
| --- CTV --- | --- CTV --- | --- CTV --- | CABLE TV (UNDERGROUND) - CABLE ONE |
| --- FO --- | --- FO --- | --- FO --- | FIBER OPTIC (OVERHEAD) - LEWISTON SCHOOL DISTRICT |
| --- G --- | --- G --- | --- G --- | GAS - AVISTA UTILITIES |
| --- E --- | --- E --- | --- E --- | POWER (OVERHEAD) - AVISTA UTILITIES |
| --- E --- | --- E --- | --- E --- | POWER (UNDERGROUND) - AVISTA UTILITIES |
| --- TC --- | --- TC --- | --- TC --- | TELECOMMUNICATIONS (OVERHEAD) - XO COMMUNICATIONS |
| | --- T --- | | TELEPHONE (UNDERGROUND) - QWEST |
| | --- W --- | | WATER - CITY OF LEWISTON |

UTILITY NOTES:
 ALL UTILITY WORK SHOWN ON THIS PLAN SHALL BE PART OF THE CONTRACTOR'S WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY WORK WITH EACH UTILITY (CONTACT INFORMATION SHOWN ON SHEET 1). CONTRACTOR WILL BE PAID A LUMP SUM AMOUNT FOR SUCH COORDINATION, REGARDLESS OF UTILITY RELOCATION COSTS, AS STATED IN THE AGREEMENT WITH OWNER FOR ADD ALTERNATE A MARKUP TO UTILITIES COST.

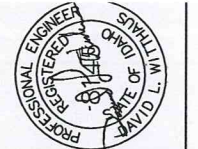
UTILITY LOCATION

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"CALL BEFORE YOU DIG"



PROPOSED UTILITY PLAN



THOMAS, DEAN & HOSKINS, INC.
 ENGINEERING CONSULTANTS
 GREAT FALLS - BOZEMAN - KALISPELL
 SPOKANE - LEWISTON
 MONTANA
 WASHINGTON
 IDAHO

| | | | |
|---------|-------|---------|-------|
| BY DATE | DESCR | BY DATE | DESCR |
| | | | |

REVISIONS

DRAWN BY: HRF
 DESIGNED BY: HRF/DLW
 QUALITY CHECK: DLW
 DATE: 4/22/11
 JOB NO. L11-001
 FIELDBOOK

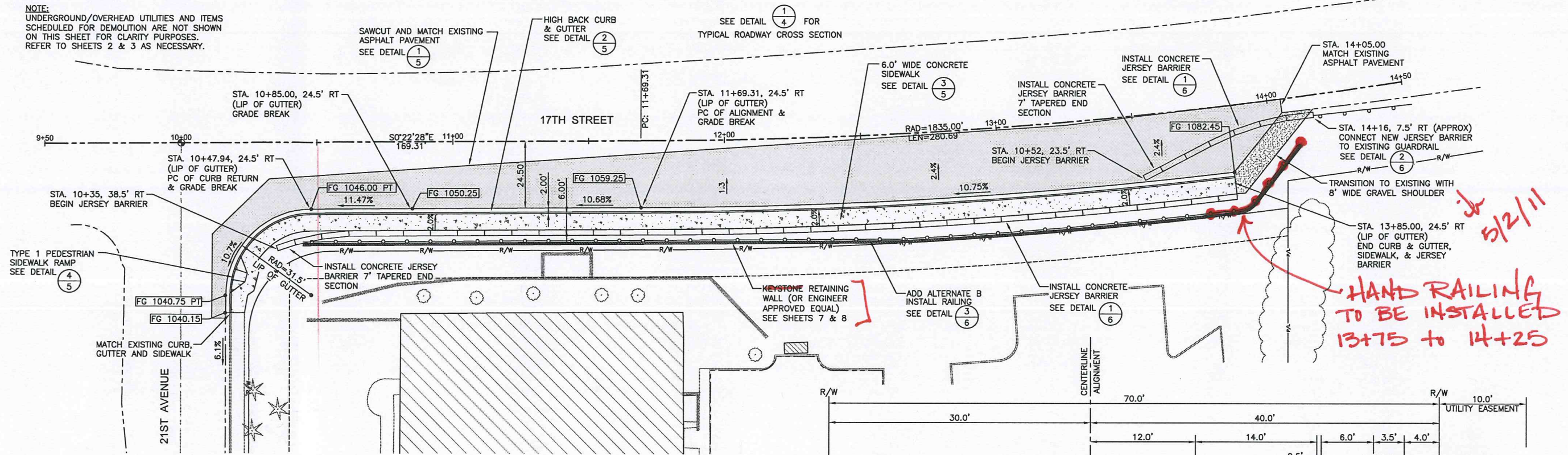
**ADD ALTERNATE A
 UTILITY RELOCATE PLAN**

**17TH STREET FRONTAGE IMPROVEMENTS
 REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO**

L11001-03.DWG
SHEET 3

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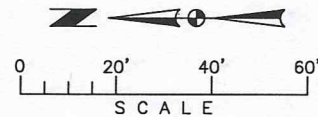
NOTE: UNDERGROUND/OVERHEAD UTILITIES AND ITEMS SCHEDULED FOR DEMOLITION ARE NOT SHOWN ON THIS SHEET FOR CLARITY PURPOSES. REFER TO SHEETS 2 & 3 AS NECESSARY.



UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION: 1-800-342-1585

"CALL BEFORE YOU DIG"

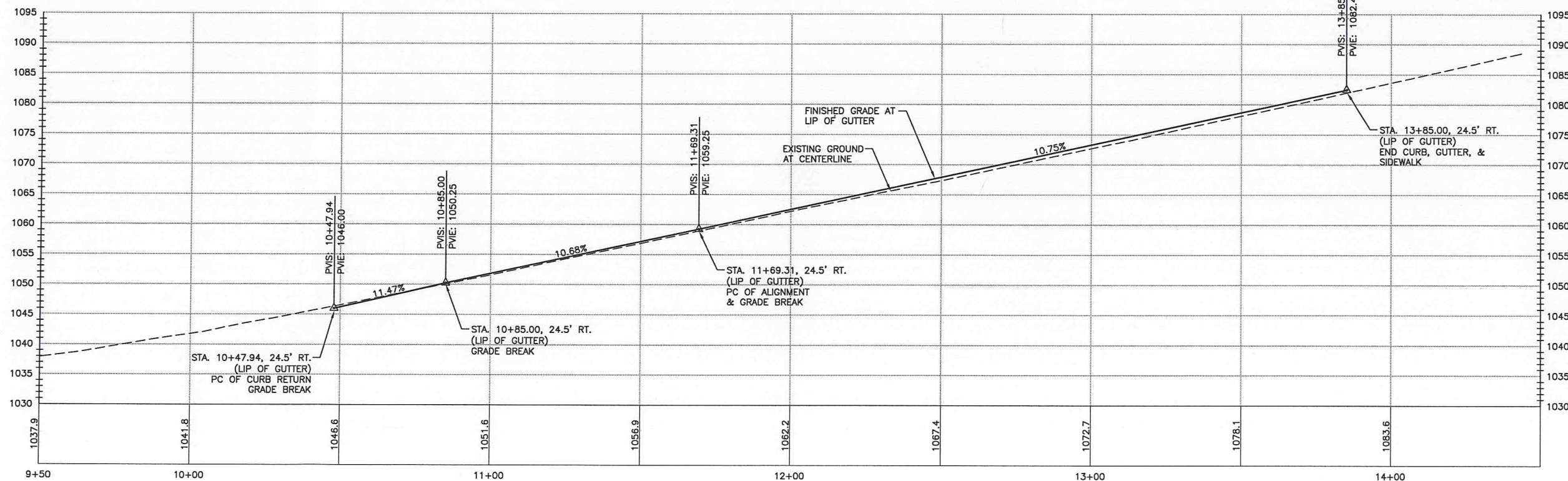


PROFILE SCALE
HORIZONTAL 1" = 20'
VERTICAL 1" = 10'

- NOTES:
1. ENGINEER MAY REQUIRE ASPHALT PAVEMENT TO BE WATER TESTED BY CONTRACTOR FOR PROPER DRAINAGE PRIOR TO FINAL APPROVAL.
2. ENGINEER MAY REQUIRE CORING OF THE ASPHALT PAVEMENT TO VERIFY PAVEMENT THICKNESS OR DENSITY.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATIONS AND COORDINATE ALL WORK WITH UTILITY COMPANIES.

TYPICAL ROAD SECTION 1/4

NOT TO SCALE



HAND RAILING TO BE INSTALLED 13+75 TO 14+25

see Revised skt 7 & 8



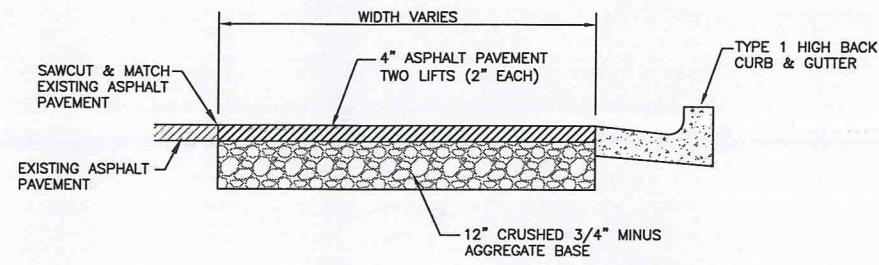
THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS - BOZEMAN - KAUSSPELL
SPOKANE - LEWISTON
MONTANA WASHINGTON IDAHO

REVISIONS table with columns for DATE, BY, DESCR.

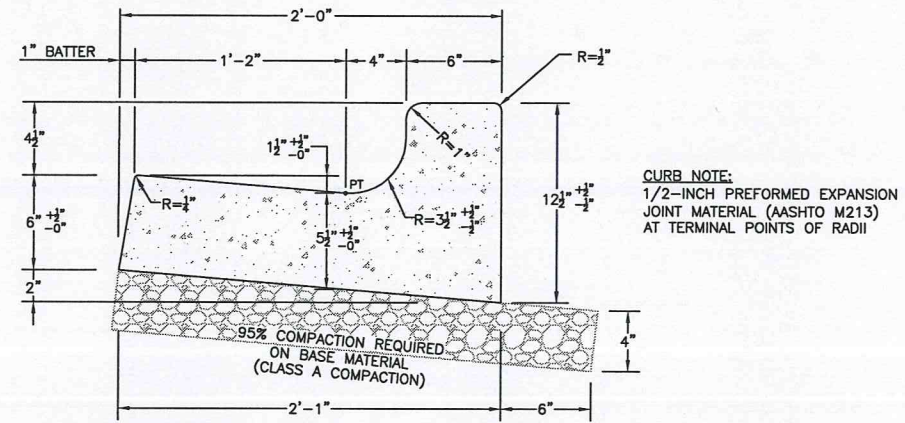
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DESIGNED BY: HRF/DLW
QUALITY CHECK: DLW
DATE: 4/22/11
JOB NO. L11-001
FIELDBOOK

17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

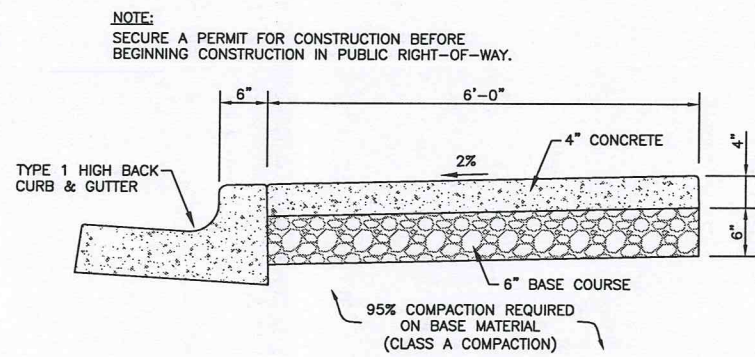
PROPOSED SITE & GRADING PLAN



ASPHALT SAWCUT/REPLACEMENT SECTION 1
5
NOT TO SCALE



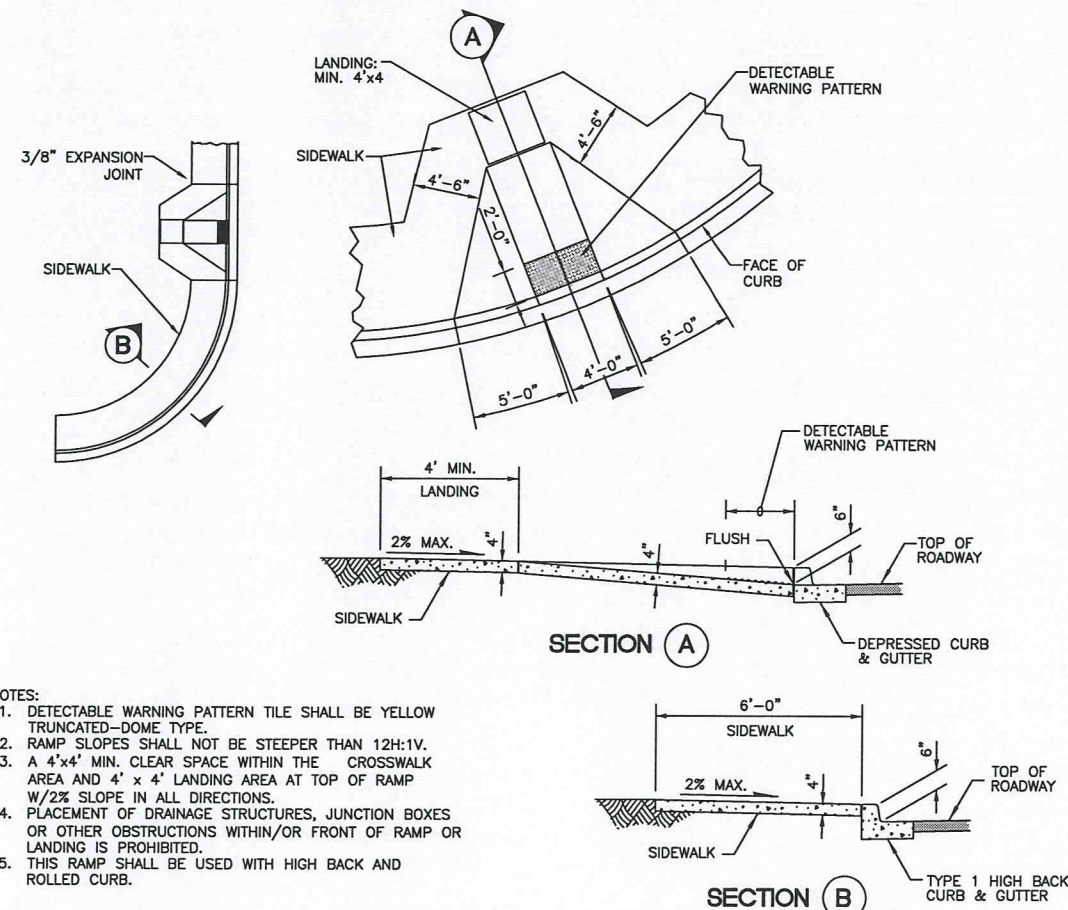
TYPE 1 HIGH BACK CURB & GUTTER DETAIL 2
5
NOT TO SCALE



NOTE:
SECURE A PERMIT FOR CONSTRUCTION BEFORE BEGINNING CONSTRUCTION IN PUBLIC RIGHT-OF-WAY.

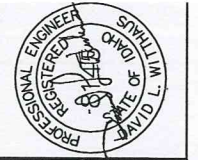
- SIDEWALK NOTES:**
1. THE TOLERANCE FOR FINISHED SIDEWALK, HORIZONTAL AND VERTICAL VARIANCE IS NOT TO EXCEED 0.02' FROM LINE AND GRADE AS SHOWN ON PLANS.
 2. BASE WILL BE 6" OF 3/4" CRUSHED GRAVEL COMPACTED TO 95% MAX. DRY DENSITY AND TO BE PLACED IN 6" LIFTS FOR ALL FILL OR BACKFILL AREAS. NO ROCK IS NEEDED UNDER SIDEWALK IN CUT AREAS.
 3. CONCRETE WILL BE 3,000 PSI.
 4. DUMMY JOINTS SHALL BE PLACED AT 5' OR 10' INTERVALS, 3/16" DEEP.
 5. NAME OF CONTRACTOR AND YEAR TO BE STAMPED AT EACH END OF WORK AND AT INTERVALS OF 100 FT.
 6. THE CONTRACTOR OR OWNER SHALL NOTIFY PUBLIC WORKS DEPT. FOR INSPECTION OF BASE MATERIAL AFTER THE FORMS ARE SET AND THE PUBLIC WORKS DEPT. WILL BE NOTIFIED NO LESS THAN 18 HOURS BEFORE PLACEMENT OF CONCRETE, FOR FINAL INSPECTION.

SIDEWALK DETAIL 3
5
NOT TO SCALE



- NOTES:**
1. DETECTABLE WARNING PATTERN TILE SHALL BE YELLOW TRUNCATED-DOME TYPE.
 2. RAMP SLOPES SHALL NOT BE STEEPER THAN 12H:1V.
 3. A 4'x4' MIN. CLEAR SPACE WITHIN THE CROSSWALK AREA AND 4' x 4' LANDING AREA AT TOP OF RAMP W/2% SLOPE IN ALL DIRECTIONS.
 4. PLACEMENT OF DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS WITHIN/OR FRONT OF RAMP OR LANDING IS PROHIBITED.
 5. THIS RAMP SHALL BE USED WITH HIGH BACK AND ROLLED CURB.

PEDESTRIAN SIDEWALK RAMP - TYPE 1 4
5
NOT TO SCALE



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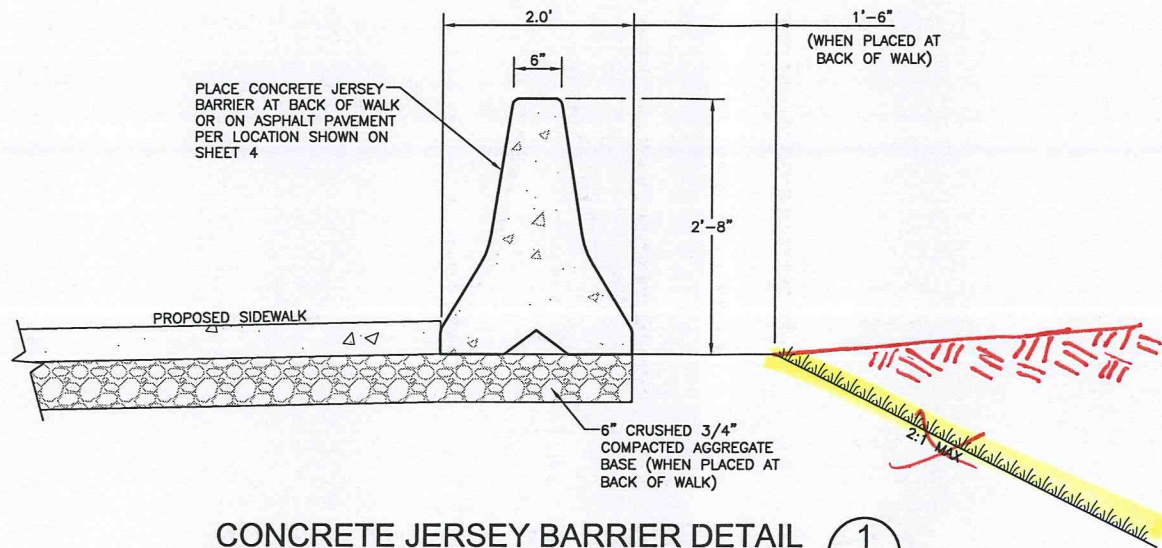
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DESIGNED BY: HRF/DLW
QUALITY CHECK: DLW
DATE: 4/22/11
JOB NO. L11-001
FIELDBOOK

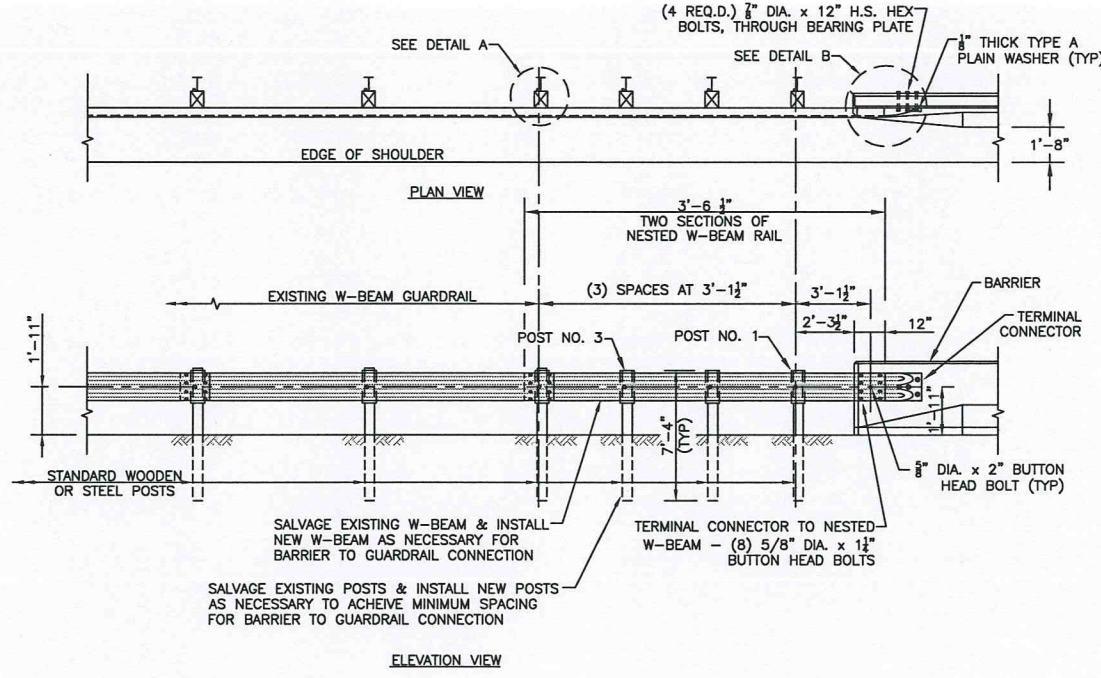
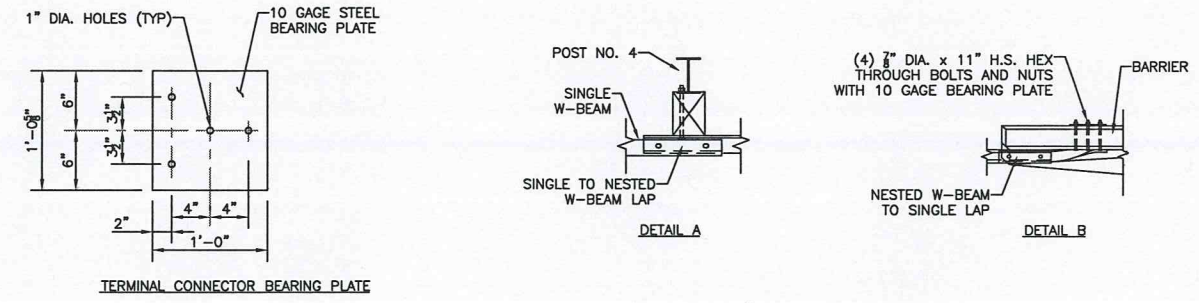
17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

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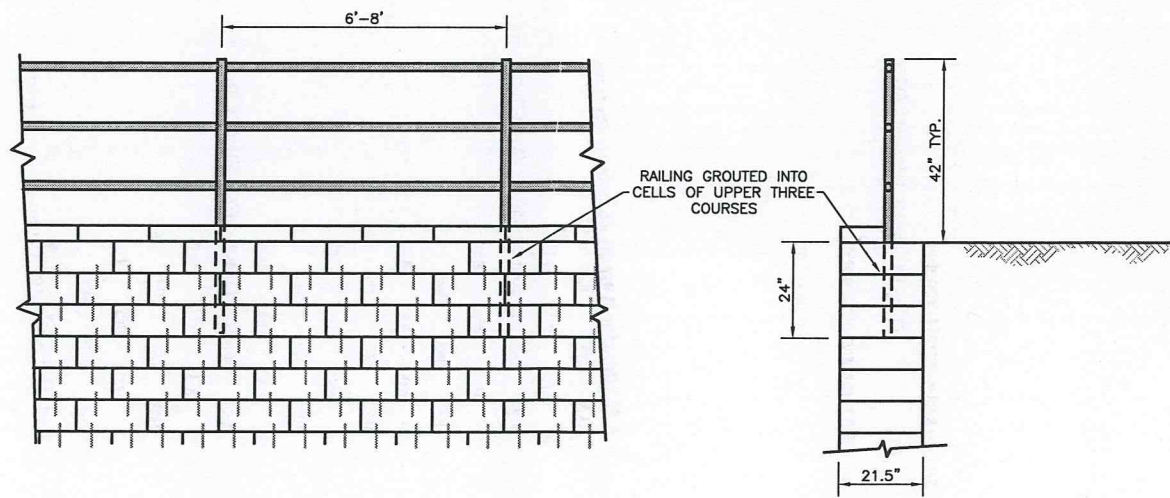
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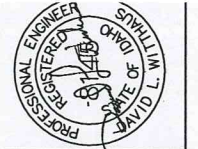
CONCRETE JERSEY BARRIER DETAIL (1/6)
NOT TO SCALE



JERSEY BARRIER TO GUARDRAIL CONNECTION DETAIL (2/6)
NOT TO SCALE



ADD ALTERNATE B - TYPICAL RAILING DETAIL (3/6)
NOT TO SCALE



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REVISIONS
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BY DATE DESCR

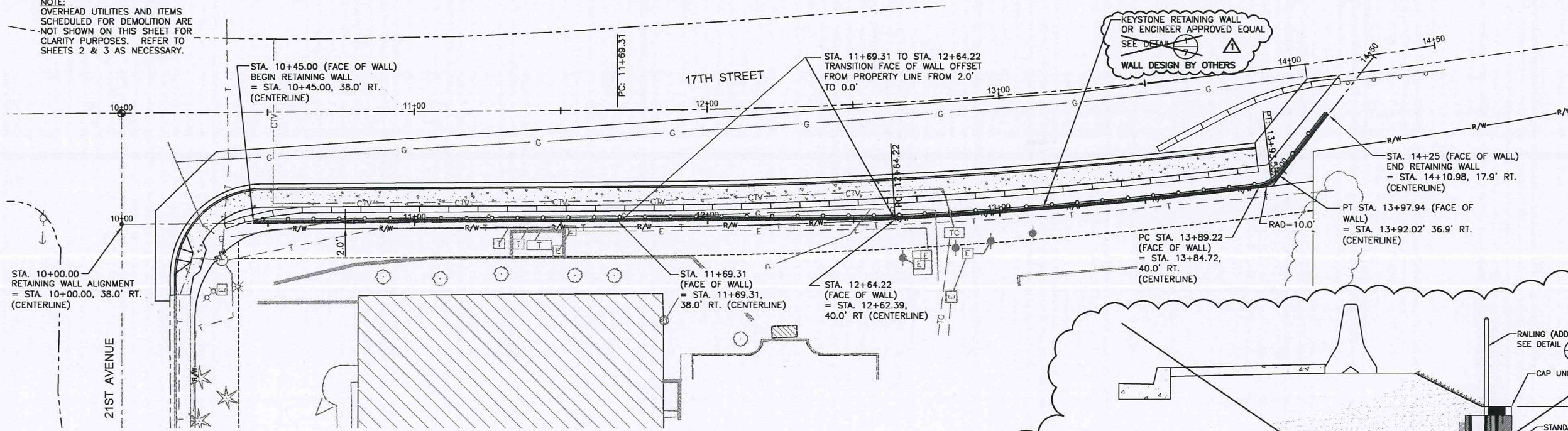
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DATE: 4/22/11
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FIELDBOOK

17TH STREET FRONTAGE IMPROVEMENTS
REGENGE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

ROADWAY DETAILS

L11001-06.DWG
SHEET 6

NOTE:
OVERHEAD UTILITIES AND ITEMS
SCHEDULED FOR DEMOLITION ARE
NOT SHOWN ON THIS SHEET FOR
CLARITY PURPOSES. REFER TO
SHEETS 2 & 3 AS NECESSARY.

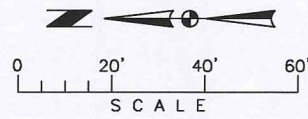


UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION: 1-800-342-1585

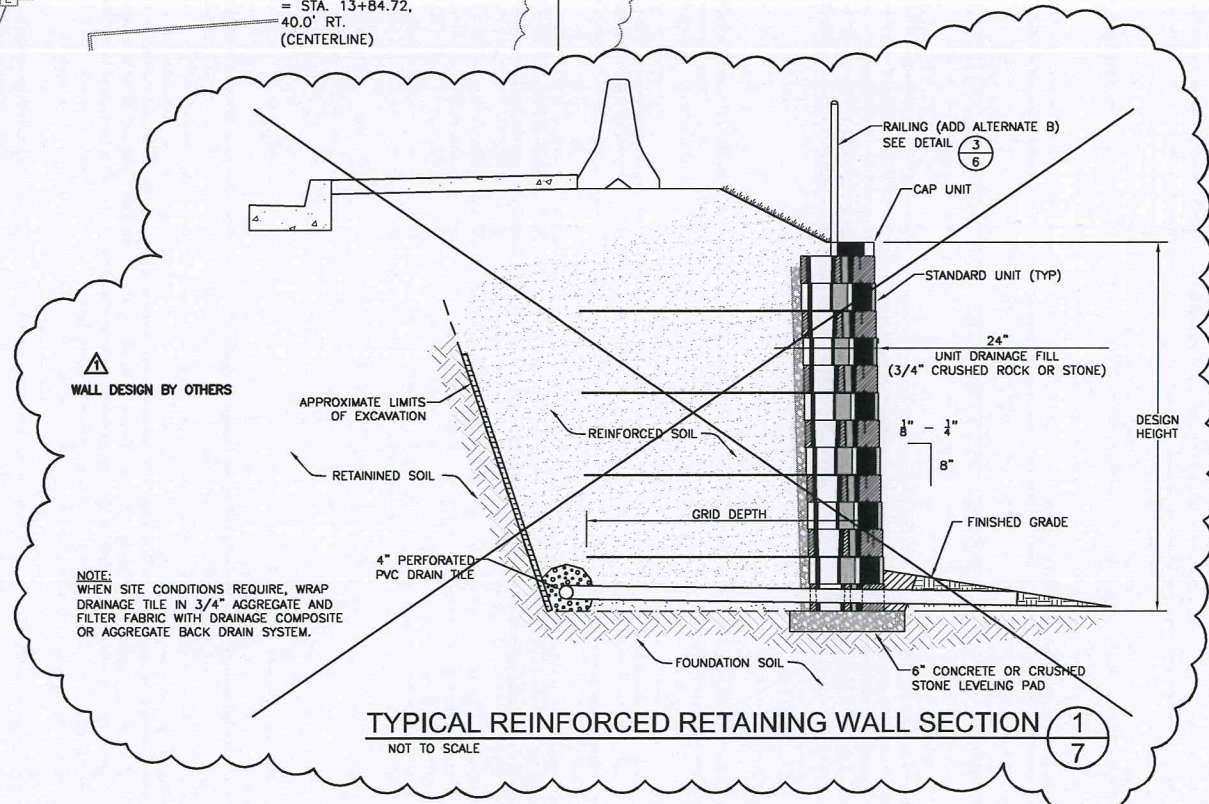
"CALL BEFORE YOU DIG"

NOTE:
ANY STATED QUANTITIES ARE APPROXIMATE ONLY.
THE CONTRACTOR IS ADVISED TO DETERMINE HIS
OWN TAKEOFF & QUANTITIES FOR BIDDING
PURPOSES.

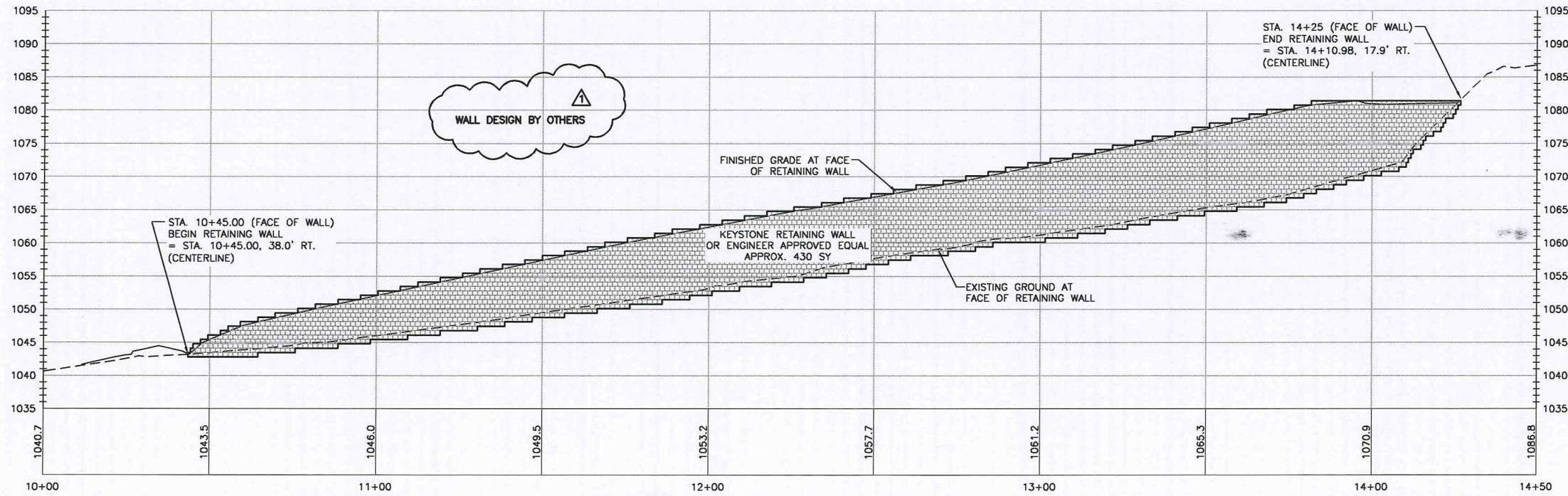


PROFILE SCALE

HORIZONTAL 1" = 20'
VERTICAL 1" = 10'



TYPICAL REINFORCED RETAINING WALL SECTION (1/7)
NOT TO SCALE



REVISIONS
BY HRC DATE 7/19/11 DESC'R WALL DESIGN BY OTHERS
BY DATE DESC'R
BY DATE DESC'R

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS - BOZEMAN - KALISPELL
MONTANA
WASHINGTON
IDAHO
LEWISTON



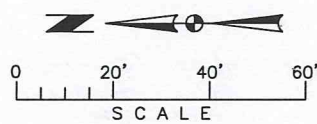
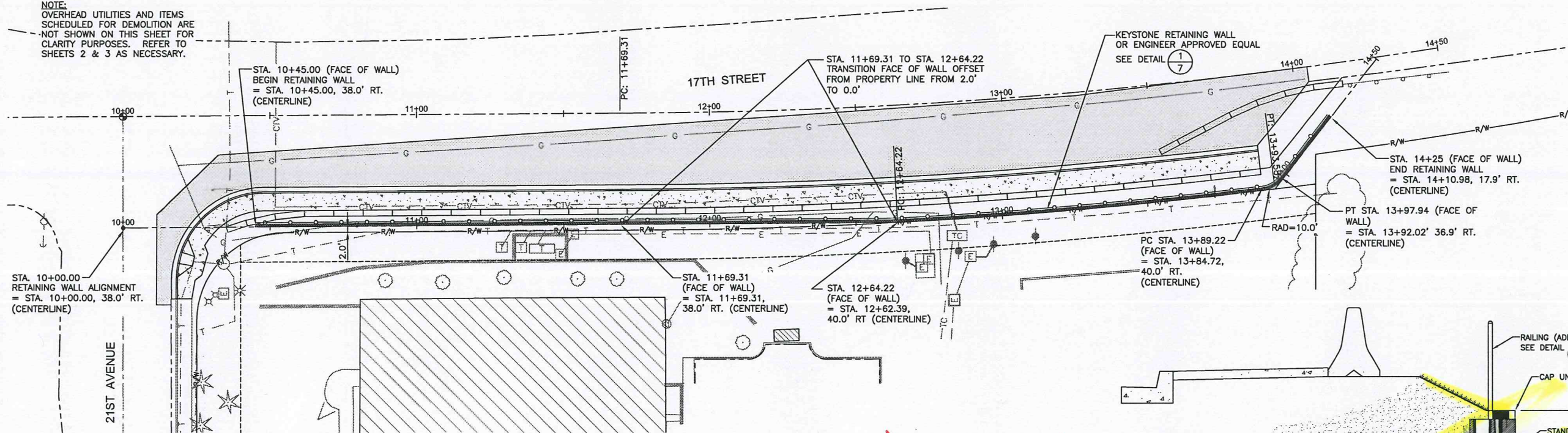
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QUALITY CHECK: DLW
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JOB NO. L11-001
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17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

RETAINING WALL PLAN, PROFILE & SECTION

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NOTE:
OVERHEAD UTILITIES AND ITEMS
SCHEDULED FOR DEMOLITION ARE
NOT SHOWN ON THIS SHEET FOR
CLARITY PURPOSES. REFER TO
SHEETS 2 & 3 AS NECESSARY.



PROFILE SCALE
HORIZONTAL 1" = 20'
VERTICAL 1" = 10'

UTILITY LOCATION

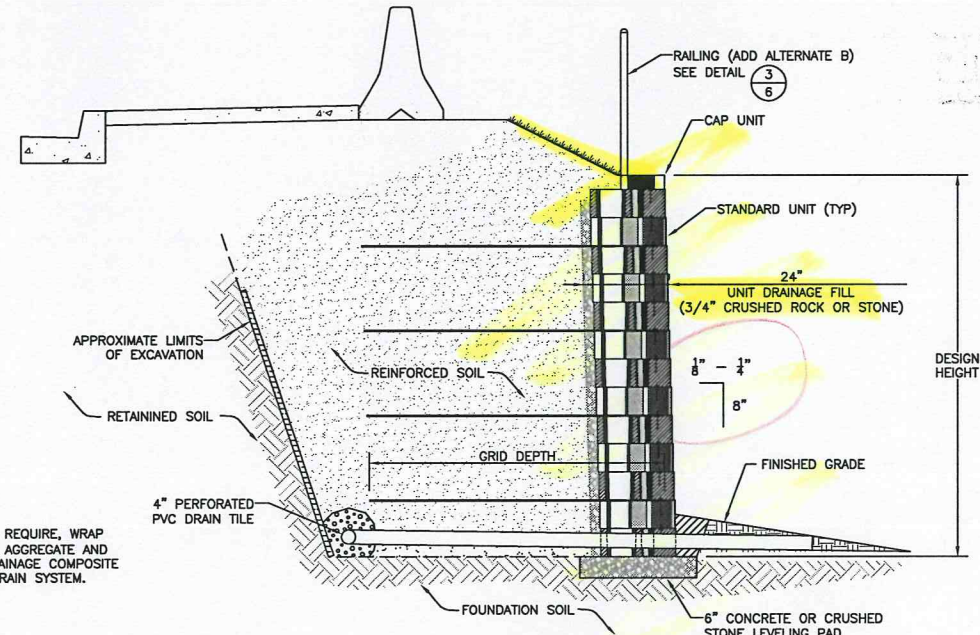
THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION: 1-800-342-1585

"CALL BEFORE YOU DIG"

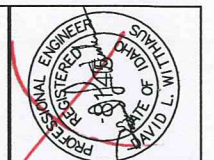
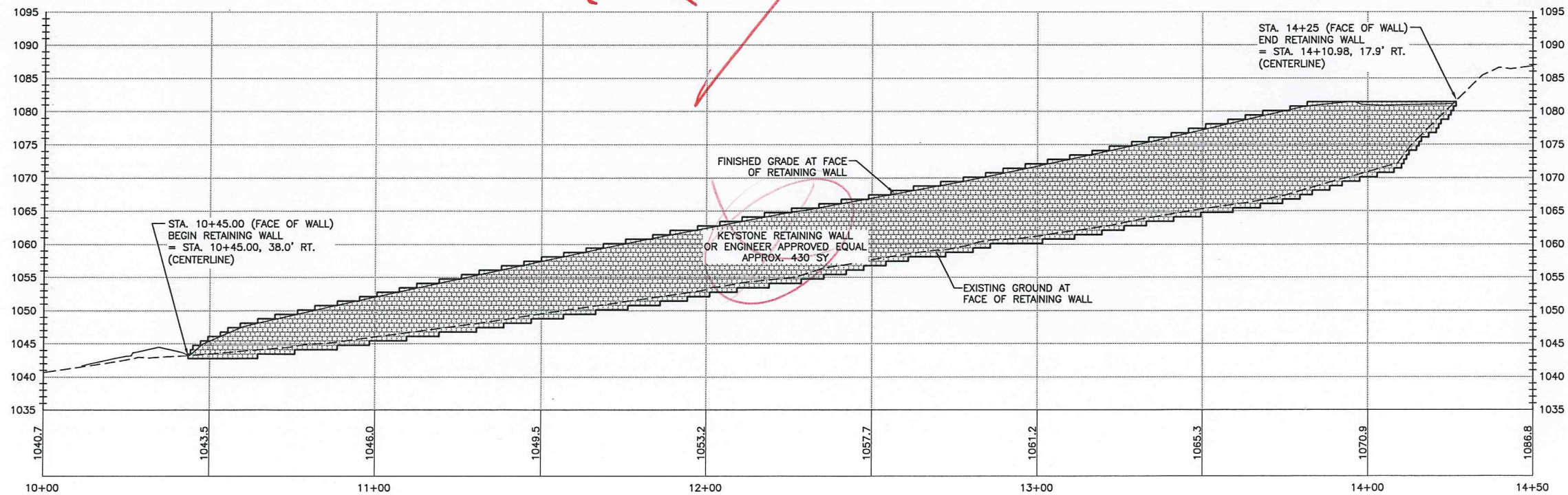
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ANY STATED QUANTITIES ARE APPROXIMATE ONLY.
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PURPOSES.

Handwritten in red: 7/19/11

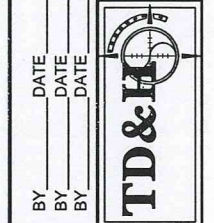
NOTE:
WHEN SITE CONDITIONS REQUIRE, WRAP
DRAINAGE TILE IN 3/4" AGGREGATE AND
FILTER FABRIC WITH DRAINAGE COMPOSITE
OR AGGREGATE BACK DRAIN SYSTEM.



TYPICAL REINFORCED RETAINING WALL SECTION 1/7
NOT TO SCALE

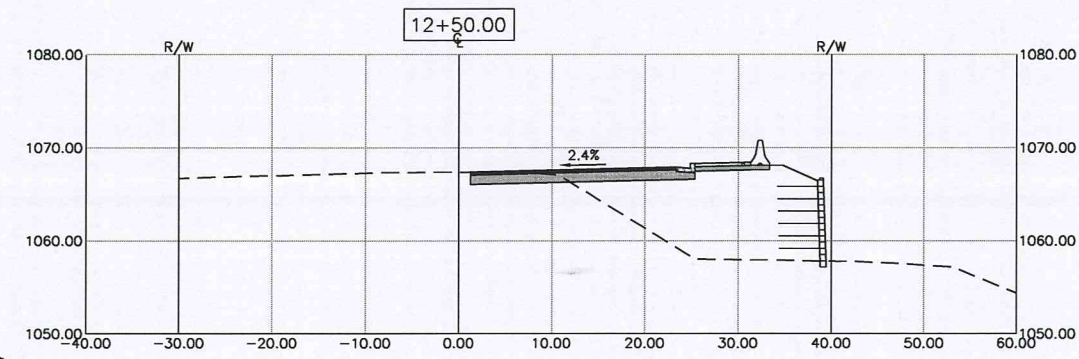
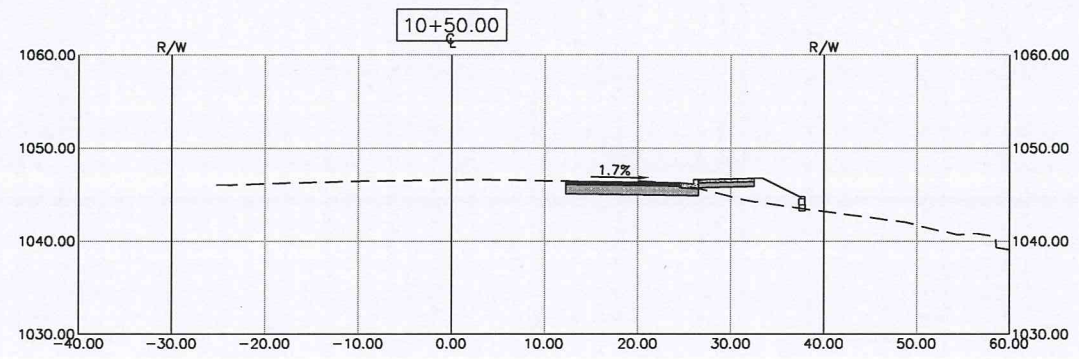


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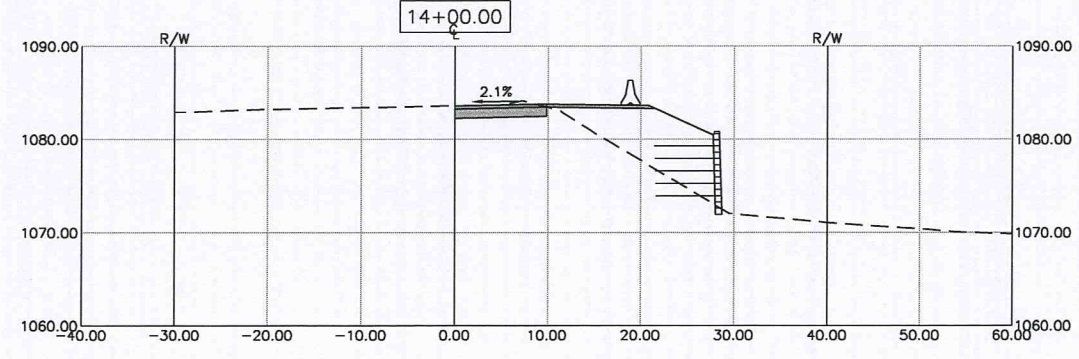
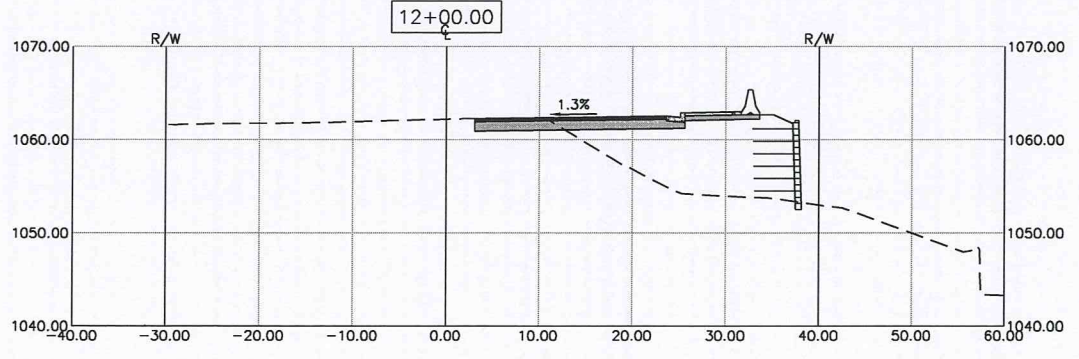
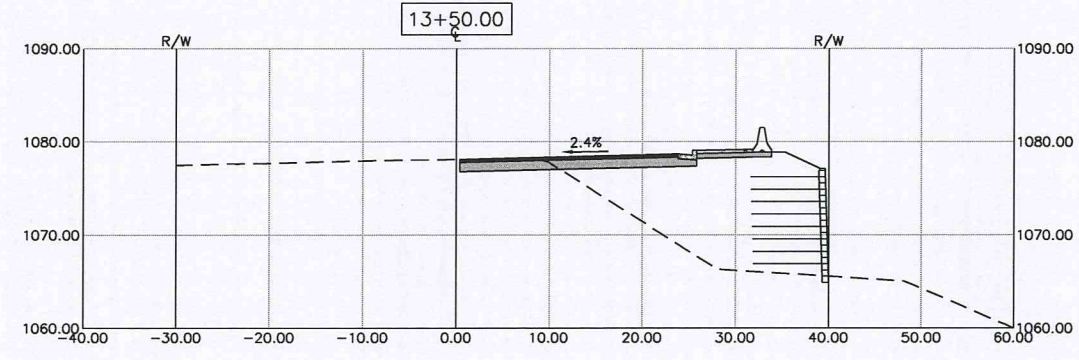
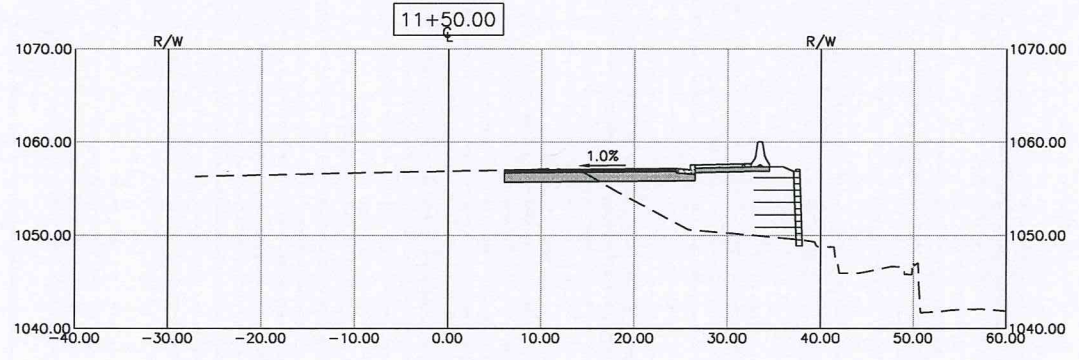
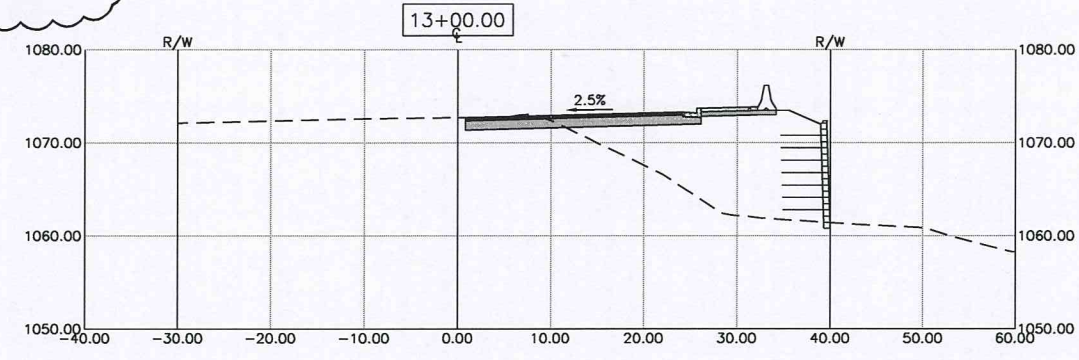
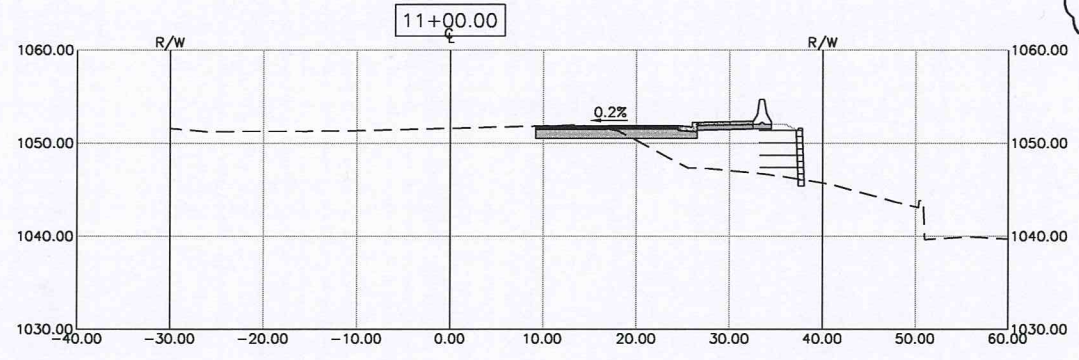


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QUALITY CHECK: DLW
DATE: 4/22/11
JOB NO. L11-001
FIELDBOOK

17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO
RETAINING WALL PLAN, PROFILE & SECTION



NOTE: WALL DESIGN BY OTHERS. SLOPE BETWEEN JERSEY BARRIER & RETAINING WALL MAY DIFFER FROM THAT SHOWN ON CROSS SECTIONS. REFER TO CONTRACTOR SUPPLIED WALL DESIGN FOR ACTUAL CONDITIONS.



REVISIONS
 BY HRC DATE 7/19/11 DESCR WALL DESIGN BY OTHERS
 BY DATE DESCR
 BY DATE DESCR

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 ENGINEERING CONSULTANTS
 GREAT FALLS - BOZEMAN - KAUSPELL
 MONTANA
 WASHINGTON
 IDAHO

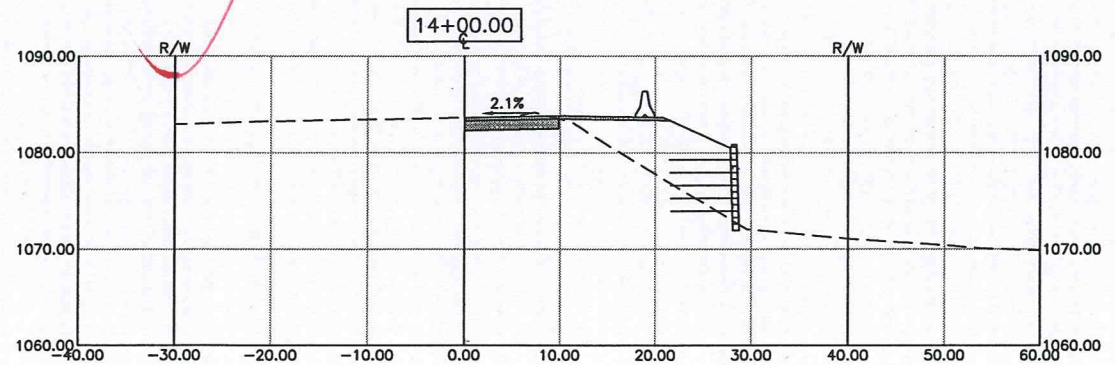
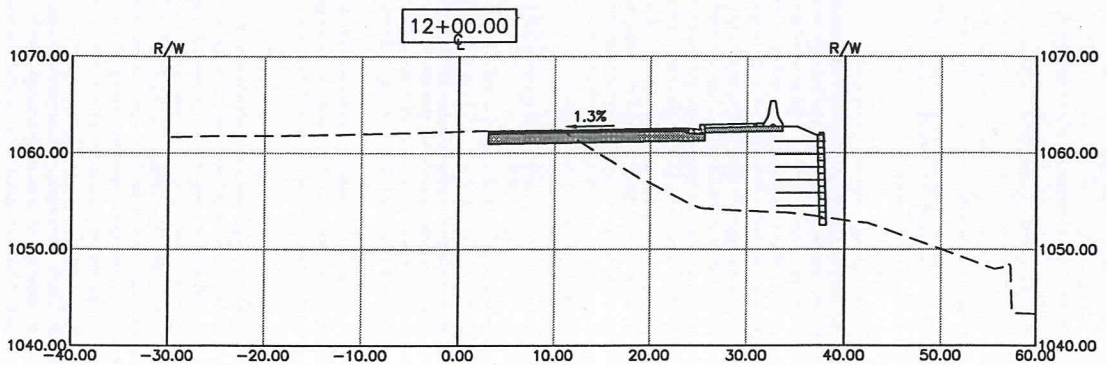
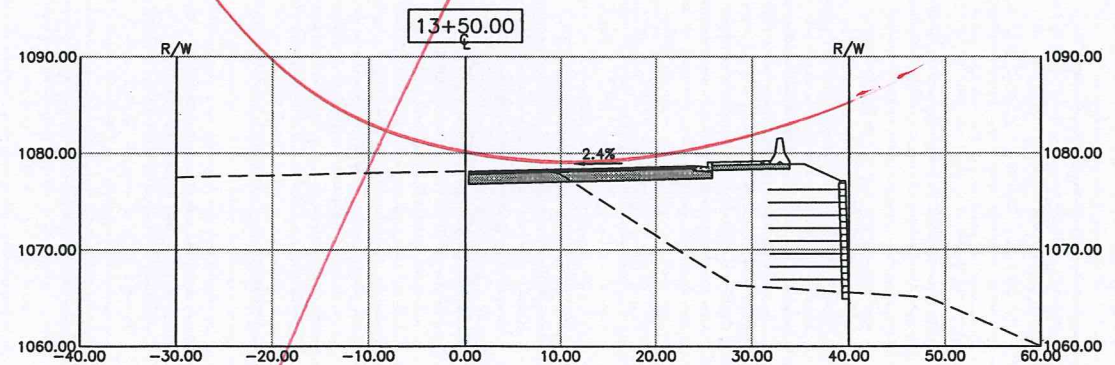
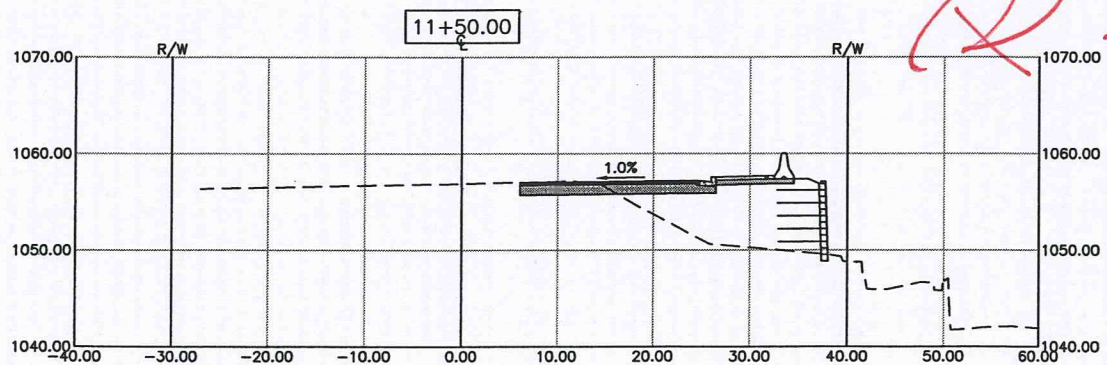
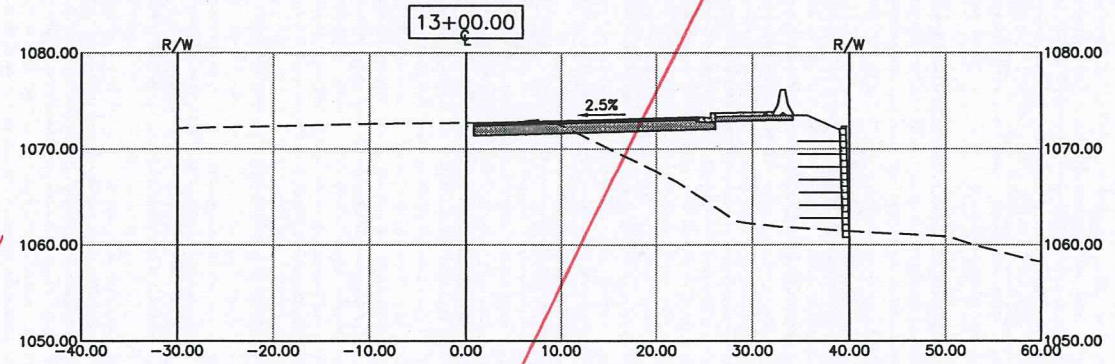
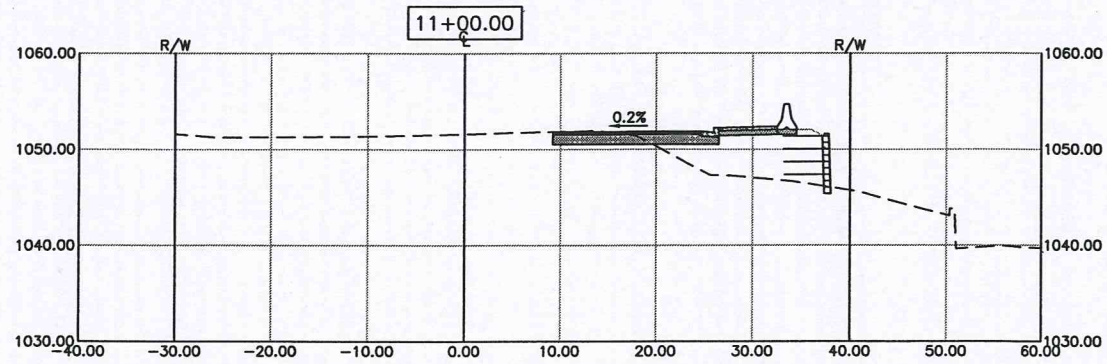
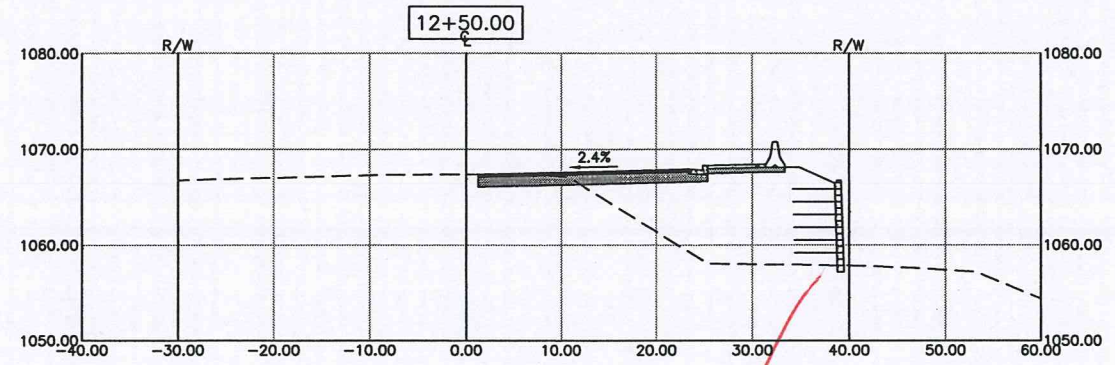
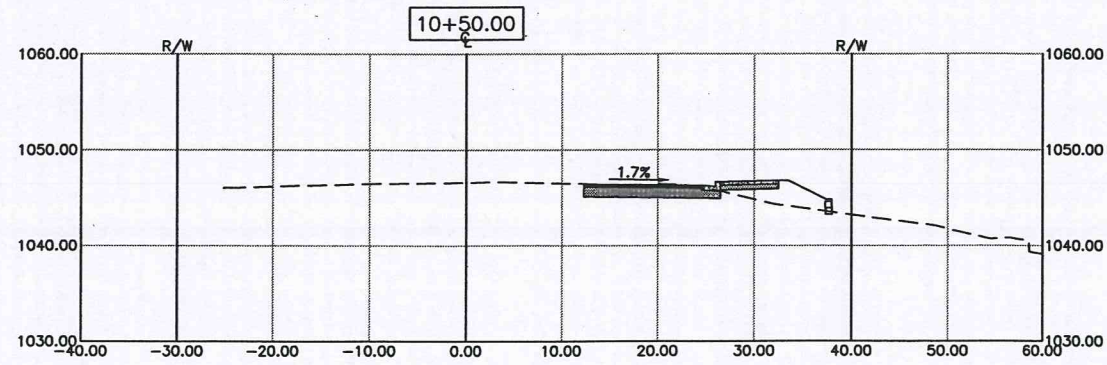


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 JOB NO. L11-001
 FIELDBOOK

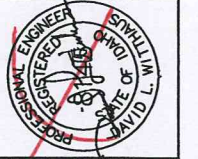
17TH STREET FRONTAGE IMPROVEMENTS
 REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

CROSS SECTIONS

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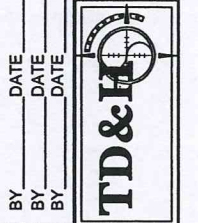


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LEWISTON

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WASHINGTON
IDAHO

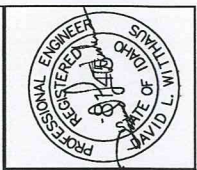
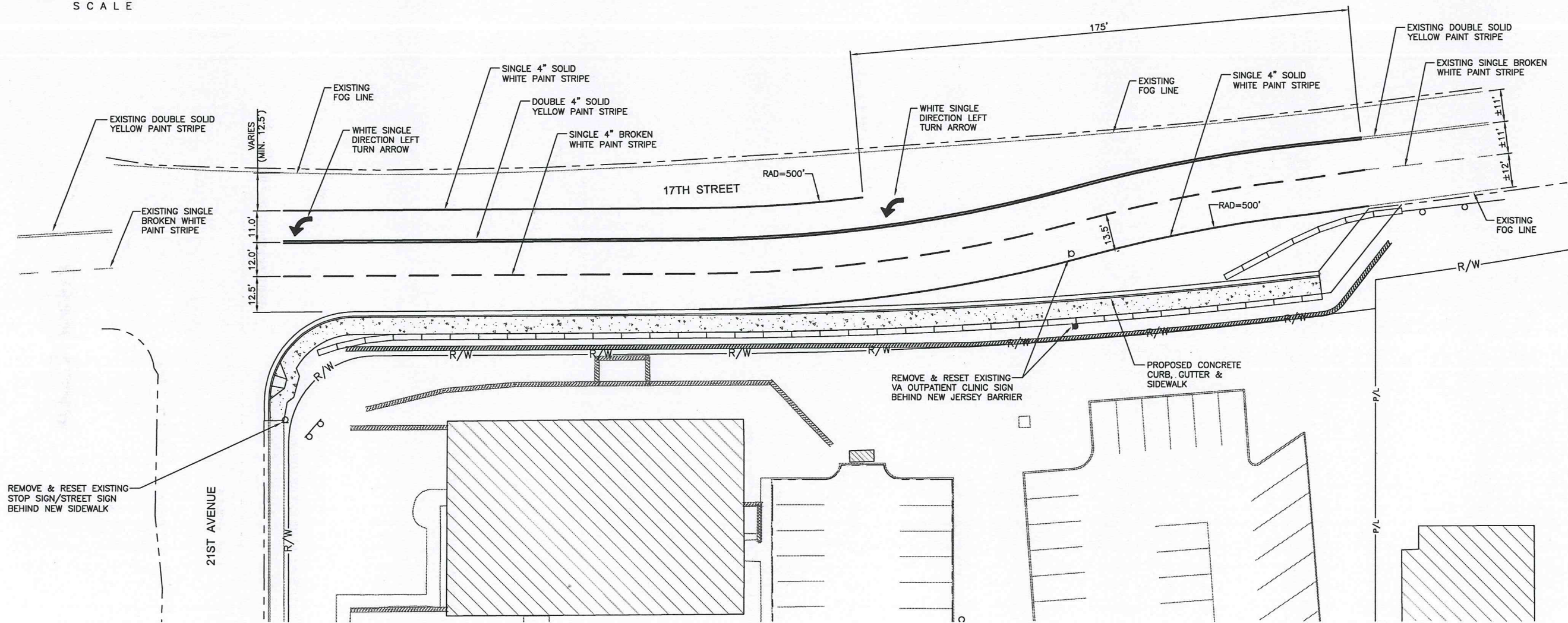
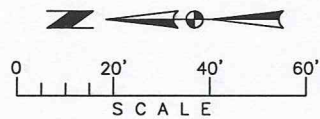


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17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

CROSS SECTIONS

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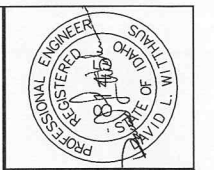
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GREAT FALLS - BOZEMAN - KALISPELL
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17TH STREET FRONTAGE IMPROVEMENTS
REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

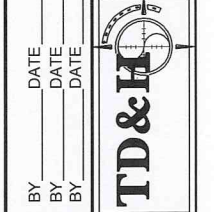
SIGNING & STRIPING PLAN
L11001-09.DWG
SHEET 9



REVISIONS

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 SPOKANE
 LEWISTON
 MONTANA
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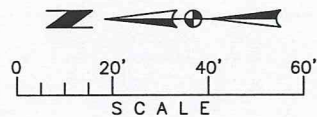
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17TH STREET FRONTAGE IMPROVEMENTS
 REGENCE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

TRAFFIC CONTROL PLAN

L11001-10.DWG
 SHEET 10

NOTE:
EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE CONTRACTOR IS RESPONSIBLE FOR STREET CLEANUP AT THE END OF EACH SHIFT.



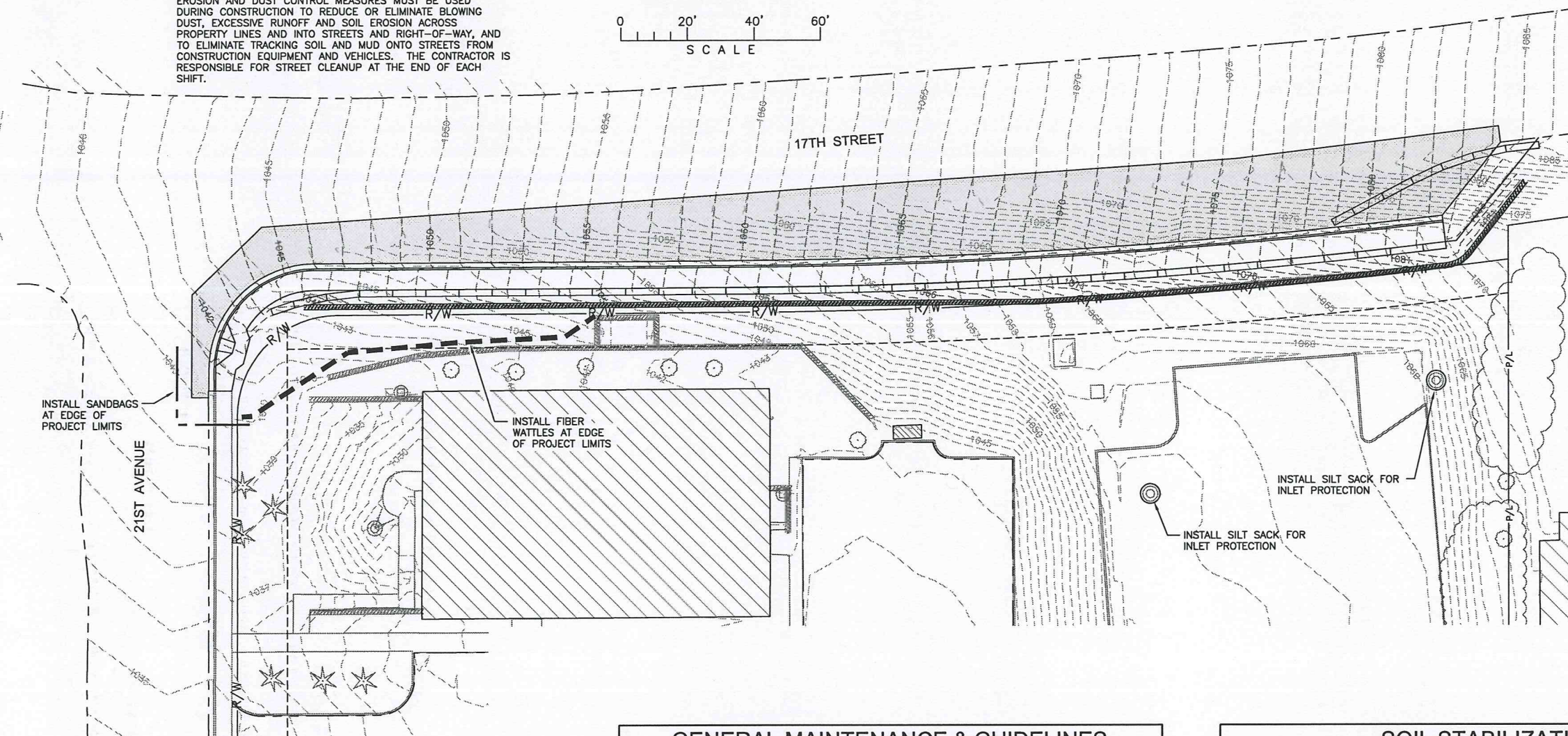
UTILITY LOCATION

THE LOCATIONS OF UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING HAVE BEEN DETERMINED FROM A FIELD SURVEY AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION:
1-800-342-1585

"CALL BEFORE YOU DIG"

LEGEND

- STRAW WATTLE
- SANDBAGS
- - - FINISHED GRADE CONTOUR
- - - EXISTING GRADE CONTOUR



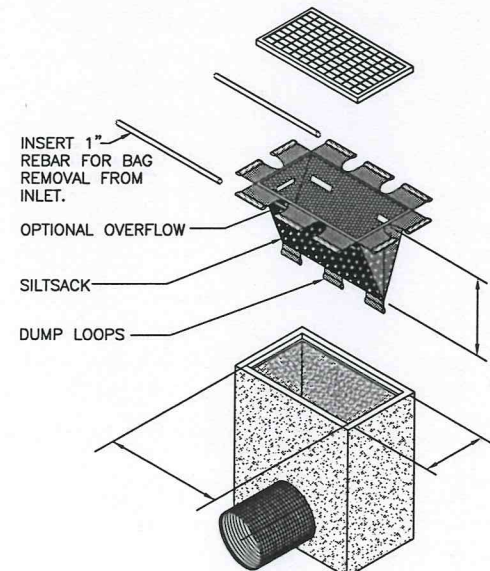
INSTALL SANDBAGS AT EDGE OF PROJECT LIMITS

INSTALL FIBER WATTLES AT EDGE OF PROJECT LIMITS

INSTALL SILT SACK FOR INLET PROTECTION

INSTALL SILT SACK FOR INLET PROTECTION

NOTE:
INSTALL SILT SACK INLET PROTECTION FOR DOWNSTREAM CATCH BASIN



SILT SACK INLET PROTECTION

NOT TO SCALE

1
11

GENERAL MAINTENANCE & GUIDELINES

- EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF, AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE CONTRACTOR IS RESPONSIBLE FOR STREET CLEANUP AT THE END OF EACH SHIFT.
- IT IS IMPORTANT TO IMPLEMENT A THOROUGH MAINTENANCE PROGRAM BEFORE, DURING, AND AFTER DEVELOPMENT IS COMPLETED. INSPECT ALL BMPs AND ADDITIONAL SAFEGUARDS TO DETERMINE THAT THEY ARE WORKING PROPERLY AND TO ENSURE THAT PROBLEMS ARE CORRECTED AS SOON AS THEY DEVELOP. THE MAINTENANCE SCHEDULE SHOULD BE BASED ON SITE CONDITIONS, DESIGN SAFEGUARDS, CONSTRUCTION SEQUENCE, AND ANTICIPATED WEATHER CONDITIONS.
- INSPECTIONS SHOULD INCLUDE MATERIALS STORAGE AREAS, LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE, THE OPERATIONAL FUNCTIONALITY OF BMPs, AND EVIDENCE OF POLLUTANTS ENTERING THE DRAINAGE SYSTEM IN DISTURBED AREAS. AN INDIVIDUAL SHOULD BE ASSIGNED THE RESPONSIBILITY FOR ROUTINE CHECKS OF OPERATING PRACTICES. ALL TEMPORARY AND PERMANENT EROSION CONTROL BMPs SHOULD BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SPECIAL ATTENTION SHOULD BE PAID TO CONTROLS AFTER STORM EVENTS TO ENSURE THEY ARE FUNCTIONING PROPERLY.
- AREAS TO HAVE PERMANENT SEEDING SHALL BE GRADED WITH A MINIMUM OF FOUR INCHES OF TOPSOIL.

SOIL STABILIZATION PRACTICES

INTERIM AND PERMANENT STABILIZATION PRACTICES: INTERIM STABILIZATION CONTROL PRACTICES WILL BE ESTABLISHED AND SET IN PLACE PRIOR TO BEGINNING PROJECT CONSTRUCTION AND WILL BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT CONSTRUCTION TIME PERIOD. PERMANENT STABILIZATION PRACTICES SHALL BE CONSTRUCTED AT THE EARLIEST POSSIBLE TIME IN THE SEQUENCE OF PROJECT CONSTRUCTION ACTIVITIES. THE PROPOSED INTERIM AND PERMANENT STABILIZATION PRACTICES ARE BASED ON IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY BMP AND ARE LISTED AS FOLLOWS:

TIMING OF CONSTRUCTION: SCHEDULE AND SEQUENCE CONSTRUCTION WORK AND EROSION CONTROL APPLICATIONS SO THAT THEY OCCUR UNDER OPTIMAL CONDITIONS--THAT IS, DURING PERIODS WHEN THE POTENTIAL FOR EROSION IS LOWEST.

PRESERVATION OF EXISTING VEGETATION: PROTECT EXISTING VEGETATION (INCLUDING TREES, GRASSES, AND OTHER PLANTS) BY PREVENTING DISTURBANCE OR DAMAGE TO SPECIFIED AREAS OF A CONSTRUCTION SITE OR RIGHT-OF-WAY.

CLEARING LIMITS: MINIMIZE THE TOTAL AMOUNT OF BARE SOIL EXPOSED TO EROSION FORCES BY (1) CONTROLLING THE AMOUNT OF GROUND THAT IS CLEARED AND GRUBBED AT ONE TIME IN PREPARATION FOR CONSTRUCTION, AND (2) LIMITING THE AMOUNT OF TIME THAT BARE GROUND MAY REMAIN EXPOSED BEFORE SLOPE PROTECTION OR STABILIZATION MEASURES ARE PUT INTO PLACE.

STABILIZATION OF CONSTRUCTION ENTRANCE ROADS: A TEMPORARY SEDIMENT REMOVAL DEVICE--NORMALLY A PAD OF CRUSHED ROCK OR STONE--CAN BE INSTALLED AT THE APPROACH FROM A CONSTRUCTION SITE TO A PUBLIC ROADWAY, TO STABILIZE THE ROAD.

DUST CONTROL: THIS DESCRIBES PRODUCTS OR MEASURES USED FOR REDUCING OR PREVENTING WIND EROSION BY PROTECTING THE SOIL SURFACE OR ROUGHENING THE SURFACE TO REDUCE THE SURFACE WIND VELOCITY. SEVERAL DUST CONTROL TREATMENTS ARE DESCRIBED BELOW:

VEGETATIVE COVER: FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.

MULCH (INCLUDING GRAVEL MULCH): WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST.

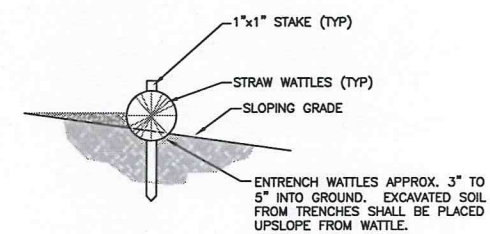
SPRINKLING: THE SITE MAY BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. SPRINKLING IS ESPECIALLY EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES.

STONE: STONE OR GRAVEL USED TO STABILIZE CONSTRUCTION ROADS AND DISTURBED SOILS CAN ALSO BE EFFECTIVE FOR DUST CONTROL AND REDUCE SOIL LOSSES FROM THOSE AREAS BY UP TO 80 PERCENT.

SURFACE ROUGHENING: TILLING OR DISCING THE SURFACE OF DISTURBED SOILS TO PRODUCE A ROUGH SURFACE OR RIDGES WHICH WHEN PERPENDICULAR TO PREVAILING WINDS CAN REDUCE SOIL LOSSES DUE TO WIND BY 80 PERCENT.

BARRIERS: A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AND BLOWING SOIL.

SEEDING: PERMANENT SEEDING MEANS GROWING A LONG-TERM OR PERMANENT VEGETATIVE COVER (PLANTS) ON DISTURBED AREAS OR AREAS THAT NEED ASSISTANCE IN REVEGETATION.



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PROFESSIONAL ENGINEER
DAVID L. SPILLMAN
STATE OF IDAHO

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS - BOZEMAN - KALISPELL
SPOKANE - LEWISTON

TD&H

| REVISIONS | |
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| DATE | DESCR |
| BY | DESCR |
| DATE | DESCR |

DRAWN BY: HRF
DESIGNED BY: HRF/DLW
QUALITY CHECK: DLW
DATE: 4/22/11
JOB NO. L11-001
FIELDBOOK

17TH STREET FRONTAGE IMPROVEMENTS
REGENGE BLUE SHIELD OF IDAHO - LEWISTON, IDAHO

EROSION & SEDIMENT CONTROL PLAN

L11001-11.DWG
SHEET 11